



"HEMLOCK", from the painting for the pulp and paper industry by Albert Cloutier

Reference Tables

April, 1954

CANADIAN PULP AND PAPER ASSOCIATION
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CANADA'S PULP AND PAPER INDUSTRY

1. The Canadian pulp and paper industry is one of the major industrial enterprises of the world.
2. In newsprint paper, Canada has a production five times that of any other country. She provides newsprint for over half the newspaper pages printed throughout the world. Canada is also a leading exporter of pulps in the world; and at the same time has a large production of papers and paperboards of every type and kind.
3. Canada is the greatest exporter of pulp and paper in the world. About 82 per cent of her total pulp and paper production moves abroad and 93 per cent of her newsprint is exported.
4. The domestic trade in pulp and paper would alone make the industry a leader in Canadian trade. The fifth of the pulp and paper output sold at home has a value half again as great as Canada's output of gold.
5. Amidst Canadian industry, pulp and paper stands first in employment; first in total wages paid; first in export values; first in value of production; first in capital invested.
6. Canada's output of pulp and paper of about \$1.1 billion a year equals in value Canada's total annual mineral production; it is one and a half times as great as the gross value of production of the automobile industry; and it is about twice the gross value of the nation's production of petroleum products.
7. Pulp and paper is exporting at the rate of about \$900 million annually. It is the largest item in Canada's trade abroad accounting for 32 per cent of the exports to the United States and 21 per cent of all exports.
8. Fluctuations in the national income closely parallel variations in pulp and paper production. The ups and downs in Canadian exports also closely follow the trend of pulp and paper exports. Prosperity in the industry and in Canada are inseparable.
9. Pulp and paper is the largest industrial buyer of goods and services in the Dominion. In 1952 it paid out \$369 million in wages, \$200 million for transportation, \$209 million for supplies and electricity, and \$114 million for purchases of pulpwood.
10. The annual wage bill of the industry exceeds \$369 million of which \$225 million went to mill workers and the remainder to woods workers. No single industry pays more. No industry has a better labour-management record. Generally, wages and working conditions in the mills are covered by collective labour agreements.
11. In hydro-electric power, Canada is the second nation in the world. Pulp and paper has been largely responsible for the development of Canadian hydro-electric resources. Pulp and paper mills use about one quarter of all the electricity consumed throughout the nation.
12. There are 87 pulp and paper companies in Canada, some large some small, operating 132 mills in seven provinces. In addition to pulps and newsprint, they have a highly developed production of fine paper, wrapping paper, tissues, paperboard, and other cellulose products.
13. Canada's rag papers, fine papers, specialty papers, wrapping papers, and paperboards are of a quality unsurpassed anywhere. Canada produces a thousand varieties of pulps, papers, paperboards, and specialty pulp and paper products.
14. In the value of its production the pulp and paper industry has headed the list of Canadian peacetime manufacturing industries for a score of years.
15. The value of pulp and paper's annual production is close to five per cent of the gross national product. The operations of the industry generate, directly and indirectly, one of every eight dollars in the income of every Canadian.
16. Including woods operations, pulp and paper produces employment for some 300,000 workers; helps directly to provide a livelihood for a million Canadians; and indirectly supports hundreds of thousands more as one of the chief buyers of transportation, power, fuel, supplies, and equipment.

17. Pulp and paper represents the savings of many thousands of Canadians who, over the years, have received few dividends.

18. The export pulp markets are worth some \$250 million annually to Canada. Paper exports are worth about another \$638 million. Every Canadian has an interest in the maintenance of these markets.

19. The pulp and paper industry has made its own way against world competition without subsidies, price floors, guarantees, or similar forms of public financial assistance. In war or peace, the industry has always been a contributor to — never a drain on — the public treasury. Canada has no better asset, nor any worth more care.

20. The four great sources of Canadian wealth are forests, farms, minerals, and water power. The pulp and paper industry uses the water power to convert the forest crop into dollars of national income chiefly obtained from abroad by exports, and chiefly paid out in wages.

21. Of the average annual forest consumption in the ten years ending 1951, Canadian pulp and paper mills accounted for 21.5 per cent; fuelwood for 20.9 per cent; timber and other products for 34 per cent; log exports for 4.9 per cent; and fire, insects, and disease for 18.7 per cent.

22. With an investment exceeding \$1.6 billion in plants which cannot be moved and which cannot operate without pulpwood, and as the largest leaseholder of Crown woodlands, pulp and paper has a vital interest in the maintenance of the forests and in their conservation for future use. The industry is engaged in implementing on its limits its declared Forest Policy of perpetual yield.

23. Spurred by self-interest and its responsibilities, pulp and paper employs some hundreds of trained foresters whose aim is the scientific cutting of the forests and their conservation for future use. Selective and other cutting methods pursued encourage natural regrowth. Pulp and paper spends large sums for the protection of the forests from fire and other hazards. The industry operates the best managed forests in Canada.

24. Provincial governments, which control the natural resources, have set up departments to deal with the forests. The Dominion government's expenditures on forest matters have been considerably below the level of expenditures for much less important national assets.

25. Through constant and vigorous research, pulp and paper is discovering new products, using more tree species, eliminating waste, and improving its operations in mills and woods. The Pulp and Paper Research Institute of Canada is recognized as a chief centre of world knowledge on wood, on pulp, and on paper.

26. Over 90 per cent of the Canadian forests are owned by the public. Canada's forests cover an area more than twice that of all her land having a present or potential value for agriculture.

27. Replacement of the annual depletion in the accessible productive forest areas requires an average annual growth of 11 cubic feet per acre. While there is a small growth in many areas, over large tracts the Federal Forestry Branch has recorded growths of from 25 to 40 cubic feet per annum. It appears that the existing forests can supply the present demands made upon them. A reduction in the fire, insect, and disease hazards would permit a substantial development of the forest industries.

28. Through devastation by fire, insects, and disease, nearly as much of the forest crumbles into decay or goes up in smoke as is used to produce pulp, paper, and paperboard. Unless these ravages be checked, the depletion of the forests will ultimately exceed the increment. Fires often make impossible the proper regeneration of the forests

29. The pulp and paper industry leases a total of 182,776 square miles of woodlands from which it harvests a total annual crop of less than one-eighth of a cord per acre. All scientific measurements made to date indicate an average growth in excess of this figure. In short, these woodlands are not being over-cut, nor is the annual harvest impairing their forest capital. Indeed, by forest management and better utilization, the productivity of these forests is being increased. Every Canadian benefits from the industry's forest policy of perpetual yield.

Introduction

These tables annually present a succinct picture of pulp and paper operations, their intimate relationship with the forest resources and the forest crop, and something, too, of the importance of the industry in the economy of Canada.

Every effort has been made to include herein as many 1953 figures as possible; but in many instances it has been impossible either to obtain the 1953 figures or to provide informed estimates. Particularly is this so of 1953 dollar value figures many of which will not be available from government sources until the end of 1954.

While the material herein is clearly set forth in the index, it should be noted that in Section "F" may be found, not only the figures revealing the national significance of the industry, but also general statistics covering its operations as a whole.

In most of the newsprint tables in Section "D", the Newfoundland statistics have been consolidated with those of Canada for all preceding years. Elsewhere, the figures prior to 1949 have not been consolidated as Newfoundland statistics were not compiled on the same basis as those of the Dominion Bureau of Statistics. The figures covering Newfoundland's production up to 1948 will be found in Tables 37, 48 and 72.

The publication of these tables has largely been made possible through the kindly aid of L. J. Pouliot, chief of the Forestry Section of the Dominion Bureau of Statistics; and to him grateful acknowledgment is made.

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INDEX

"A" Forests and Pulpwood

Table

1. Forest extent
2. Forest volume
3. Forest consumption
4. Forest holdings
5. Coniferous stands
6. Forest increment
7. Wood used by mills
8. Species used
9. Pulpwood production, cords
10. Pulpwood production, value
11. Cords, cubic feet and board measure
12. Sources of supply of pulpwood

"B" Production and Markets

13. Pulpwood production
14. Apparent pulpwood production by provinces
15. Pulp supply
16. Total production
17. Output by products
18. Markets
19. Pulp use and sale
20. Other fibre and paper stock used
21. Paper production
22. Pulp and paper exports

"C" Pulp Statistics

23. Pulp production and exports
24. Chemical pulp production and exports
25. Chemical pulp exports
26. Sulphite and sulphate pulp markets
27. Bleached sulphite pulp
28. Unbleached sulphite pulp
29. Sulphate pulp
30. Mechanical pulp
31. Defibrated and exploded pulps
32. Screenings
33. Other wood-pulps
34. Pulp consumption in paper and board production, by kinds
35. Pulp consumption in paper and board production, by sources
36. Pulp imports
37. Newfoundland production and exports of pulp
38. Canadian pulp in U.S. market
39. Average values, U.S. imports from Canada and Newfoundland
40. World pulp figures
41. Year-end inventories of pulp

"D" Newsprint

42. Newsprint capacity and production
43. Shipments and mill stocks
44. Daily capacity and production
45. Overseas shipments
46. Value of newsprint production and exports
47. U.S. newsprint production
48. Newfoundland newsprint production

Table

49. Principal newsprint producers overseas
50. Sources of U.S. newsprint supply
51. U.S. newsprint consumption and stocks
52. Consumption by newspapers
53. North American newsprint stocks
54. U.S. newspaper circulation
55. U.S. newspaper milline rates
56. Indexes of U.S. advertising
57. U.S. newspaper pages printed
58. U.S. advertising expenditures and national income
59. U.S. newspaper advertising and total advertising expenditures
60. U.S. newspaper, magazine, radio and TV advertising
61. Value of Canadian newsprint and total pulp and paper production
62. U.S. prices and price indexes.
63. Newsprint and total Canadian exports to United States

"E" Other Paper and Paperboard

64. Production, tons
65. Production, value
66. Building boards and building papers
67. Exports, tons
68. Exports, value

"F" National Significance

69. Paper production and exports
70. Imports of wood-pulp and paper and paper goods
71. Exports and Canadian trade
72. Products of Newfoundland's pulp and paper mills
73. Production by provinces
74. Principal statistics by provinces
75. Exports of Canadian products to U.S.
76. Production and national income
77. Growth of industry
78. Operations of mills
79. Mill locations
80. Capital expenditures
81. Employees and wages
82. Capital, employees and wages
83. Wages paid and numbers employed
84. Growth in employment and wages
85. Domestic trade
86. Principal expenditures
87. Purchases of mill supplies
88. Fuel purchased
89. Electricity purchased
90. Car loadings
91. Payrolls and weekly earnings
92. Power utilization
93. Exports
94. Canadian exports
95. Pulp and paper and mining
96. Ten leading Canadian industries
97. Net value of Canadian production

"A"—FORESTS AND PULPWOOD

Table 1.

Forest Extent — 1953

	Square Miles
Forested Areas of Canada*:	1,485,870
All of which, save for 123,000 square miles, lies within the ten provinces.	
Forested Areas Classed as Unproductive:	658,708
Small trees in adverse locations not expected to reach merchantable size.	
Productive Forest Areas:	827,162
Capable of producing continuous crops of timber.	
Productive Forest Not Presently Accessible:	249,000
Accessible Productive Forests:	578,162
Two-fifths of this area bears trees large enough for use; the remainder is younger growth.	
Privately Owned Forests	
Farm wood lots	35,594
Others	61,327
	96,921
Cutting Rights Leased by the Crown:	
Pulp and paper licences	182,776
Saw timber licences	33,361
Timber sales	4,128
Permit berths	711
	220,976

* Excluding Labrador.

Source: Federal Forestry Branch.

Table 2.

Forest Volume — 1953

In 000,000's of cubic feet of merchantable timber*	
Accessible Forests:	
Conifers	219,955
Broad leaved	55,313
Presently Inaccessible Forests:	
Conifers	107,871
Broad leaved	14,174

* Excluding Labrador.

Source: Federal Forestry Branch.

Table 3.

Forest Consumption

Average Annual Depletion 1942-1951*			
	000's of cu. ft.	%	%
Logs and bolts for domestic use	1,127,126	31.2	38.4
Logs and bolts for export	13,611	0.4	0.5
Pulpwood for domestic use	777,568	21.5	26.5
Pulpwood for export	162,128	4.5	5.5
Fuelwood	752,578	20.9	25.6
Ties, poles, pit-props, posts, rails	65,868	1.8	2.3
Miscellaneous	35,730	1.0	1.2
	2,934,609		100.0
Fire	175,453		
Insects and disease	675,453	18.7	
	3,610,062	100.0	

* Island of Newfoundland, but not Labrador, included since 1949.

Source: Federal Forestry Branch.

Table 4.

Forest Holdings — 1953

	Sq. Miles	Per Cent
Private holdings	96,921	6.5
Crown Lands		
Leased by pulp and paper cos.	182,776	12.3
Leased by others	38,200	2.6
Reserves and parks	289,421	19.5
Unoccupied	878,552	59.1
Total Forested Land*	1,485,870	100.0

* Excluding Labrador.

Source: Federal Forestry Branch.

Table 5.

Coniferous Stands — 1952

Estimated Stands of Accessible Conifers by Provinces	Millions of cubic feet	Pulp Production Tons — 1952
Newfoundland*	3,337	†
Prince Edward Island	61	nil
Nova Scotia	2,939	†
New Brunswick	6,100	†
Quebec	45,928	4,192,047
Ontario	54,589	2,308,722
Manitoba	1,004	†
Saskatchewan	5,147	nil
Alberta	7,724	nil
British Columbia	88,248	914,634
Northwest Territories	3,109	nil
Yukon	1,769	nil
Nfld., N.S., N.B. and Manitoba	219,955	1,552,606
		8,968,009

† Figures for Nfld., N.S., N.B. and Manitoba are not published separately.

* Excluding Labrador.

Sources: Federal Forestry Branch and Dominion Bureau of Statistics.

Table 6.

Forest Increment

Pulp and Paper Figures:

The relation between consumption and growth in the forests of the pulp and paper industry may thus be summarized:

1. The industry leases a total of 182,776 square miles of woodlands from the provincial governments.
2. The annual crop from these limits, together with other losses, averages less than one eighth of a cord per acre.
3. All scientific measurements made to date indicate a growth on the limits well in excess of an eighth of a cord per acre.
4. The forests leased by the companies are usually operated under a management plan approved and supervised by the provincial government involved and the cut is not permitted to exceed the growth. For example, in Quebec all but 2 per cent of the areas leased by the pulp and paper companies are operated under these government-approved management plans.

The industry has a declared Forest Policy of perpetual yield and the companies generally have stated that their woodlands are managed to provide a crop in perpetuity.

Source: Woodlands Section, Canadian Pulp and Paper Association.

Over-all Figures

Complete estimates of the growth in the Canadian forests as a whole have not been compiled, that the following facts are known:

Cubic feet per acre

While there is but a small growth in many areas, over considerable tracts growths have been recorded by the Federal Forestry Branch of:

Managed forests in Scandinavia produce:

Replacement of annual depletion in the accessible productive forest areas requires an annual average growth of:

The foregoing figures do not indicate that there is cause for complaisance regarding the future maintenance of the forests and their proper conservation for use.

Other factors affecting these figures include:

1. While the annual increment appears to exceed the annual depletion, no comprehensive and proper estimate of forest increment in Canada as a whole has yet been prepared.
2. Insects and diseases in the forests periodically reach epidemic proportions; unless checked they will affect the existing balance between depletion and increment.
3. In many instances the depletion is concentrated in the more accessible areas. Growth that accrues in more remote areas is not used.
4. Repeated fires retard and often make impossible the proper regeneration of the forests.
5. Land tenures are often such that there is no economic or other urge upon some loggers to operate along scientific methods.

Source: Federal Forestry Branch.

Table 7.
Wood Used by Mills — 1952

	Per Cent
From farmers and other small holdings	22
Other purchases, including sawmill waste	12
Total purchased	34
Cut from owned or leased limits	66
	100

Source: Dominion Bureau of Statistics.

Table 8.
Species of Wood Used by Pulp and Paper Mills — 1952

	Cords	Per Cent
Pulpwood:		
Spruce and Balsam	9,878,940	82.6
Jack Pine	693,891	5.8
Hemlock	526,187	4.4
Other softwoods	47,309	0.4
Poplar	421,847	3.5
Other hardwoods	72,017	0.6
	11,640,191	97.3
Other Wood (x)	317,556	2.7
	11,957,747	100.0

(x) — Includes chips, slabs and edgings, sawdust, butts, and cores.

Source: Dominion Bureau of Statistics.

Table 9.
Pulpwood Production — Cords

	Apparent Production	Consumption	Exports	Imports
1920	4,024,826	2,777,422	1,247,404	
1921	3,273,131	2,180,578	1,092,553	
1922	3,923,940	2,912,608	1,011,332	
1923	4,654,663	3,270,433	1,384,230	
1924	4,647,201	3,316,951	1,330,250	
1925	5,092,461	3,668,959	1,423,502	
1926	5,621,305	4,229,567	1,391,738	
1927	5,929,456	4,387,687	1,541,769	
1928	6,295,912	4,796,320	1,532,266	32,674
1929	6,536,335	5,278,422	1,294,995	37,082
1930	5,977,183	4,741,349	1,330,466	94,632
1931	5,199,914	4,148,279	1,123,330	71,695
1932	4,222,224	3,647,754	620,124	45,654
1933	4,746,383	4,044,876	718,556	17,049
1934	5,773,970	4,766,604	1,021,285	13,919
1935	6,095,016	5,005,083	1,109,873	19,940
1936	7,002,057	5,775,894	1,235,754	9,591
1937	8,298,165	6,613,639	1,705,031	20,505
1938	6,438,344	4,719,753	1,752,259	33,668
1939	6,899,986	5,386,240	1,539,440	25,694
1940	8,499,922	6,996,119	1,551,429	47,626
1941	9,544,699	7,688,388	1,856,392	81
1942	9,653,574	7,667,438	1,987,850	1,714
1943	8,801,368	7,263,155	1,540,592	2,379
1944	8,668,566	7,177,639	1,499,136	8,209
1945	9,145,673	7,478,508	1,671,298	4,133
1946	10,523,256	8,684,756	1,855,381	16,881
1947	11,484,522	9,551,050	1,983,980	50,508
1948	12,497,926	10,256,549	2,317,346	75,969
1949	11,850,254	10,243,467	1,612,278	5,491
1950	12,873,476	11,166,798	1,734,898	28,220
1951	15,053,910	12,229,371	2,871,173	46,634
1952	14,102,670	11,640,191	2,493,263	30,784
1953	13,343,785e	11,643,388e	1,749,202	48,805

e: Canadian Pulp and Paper Association estimate.

Note: Prior to 1946 "Apparent Production" and "Consumption" figures include small quantities of sawmill chips, slabs and edgings, sawdust, butts, and cores.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 10.
Pulpwood Production — Value

	Apparent Production	Consumption	Exports	Imports
1920	\$61,183,060	\$45,404,889	\$15,778,171	
1921	52,900,872	38,283,262	14,617,610	
1922	50,735,361	40,375,599	10,359,762	
1923	57,119,596	43,594,592	13,525,004	
1924	57,777,640	44,241,582	13,536,058	
1925	62,181,537	48,012,602	14,168,935	
1926	68,262,873	54,195,845	14,067,030	
1927	70,284,895	54,582,190	15,702,705	
1928	74,587,833	59,578,417	15,269,660	\$260,244
1929	76,120,063	63,101,138	13,314,738	295,813
1930	67,529,612	54,788,730	13,611,617	870,735
1931	51,973,243	43,120,740	9,359,592	507,089
1932	36,750,910	32,192,066	4,830,506	271,662
1933	33,213,973	28,609,247	4,696,459	91,733
1934	38,302,807	31,675,325	6,680,307	52,825
1935	41,195,871	34,265,329	7,041,052	110,510
1936	48,680,200	40,455,656	8,276,423	51,879
1937	63,057,205	51,081,661	12,088,329	112,785
1938	53,761,999	40,326,689	13,641,798	206,488
1939	58,302,668	46,558,645	11,901,480	157,457
1940	74,347,132	62,230,155	12,521,880	404,903
1941	88,193,045	72,264,544	15,928,826	325
1942	103,619,151	83,318,870	20,314,253	13,972
1943	110,844,790	92,308,272	18,565,265	28,747
1944	124,363,926	104,477,689	20,012,285	126,048
1945	146,172,701	122,347,847	23,881,928	57,074
1946	183,085,359	154,581,001	28,731,150	226,792
1947	237,488,741	203,738,527	34,528,884	778,670
1948	284,656,819	242,338,302	43,572,868	1,254,351
1949	270,697,980	240,379,337	30,383,947	65,304
1950	285,762,620	252,664,002	33,589,962	491,344
1951	381,920,846	316,600,016	66,077,108	756,278
1952	396,102,104	334,824,403	61,837,059	559,358
1953	n.a.	n.a.	42,703,886	878,687

n.a.: Not available.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 11.
Cords, Cubic Feet, and Board Measure

A standard cord is a stack of wood 4 x 4 x 8 feet containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs.

In the lumber industry, wood is usually measured by the board foot. A board foot is the equivalent of a board one inch in thickness and one square foot in surface area. The relationship between board measure and cord measure varies in different sections of the Dominion. Usually, 2 cords are considered to be equivalent to about 1000 feet board measure. But this ratio also varies with the size and type of the wood.

Source: Federal Forestry Branch.

Table 12.
Sources of Supply of Pulpwood, 1952

Provinces and Sources	Proportion	Average value per cord
Quebec	100.00	\$29.87
Purchased	32.13	28.52
From own or leased limits	67.87	30.51
Ontario	100.00	28.38
Purchased	35.38	28.20
From own or leased limits	64.62	28.47
British Columbia	100.00	34.40
Purchased	60.85	35.25
From own or leased limits	39.15	32.93
Other Provinces*	100.00	24.54
Purchased	27.40	25.62
From own or leased limits	72.60	24.14
Canada	100.00	28.76
Purchased	34.02	28.81
From own or leased limits	65.98	28.74

* Newfoundland, Nova Scotia, New Brunswick and Manitoba.

Source: Dominion Bureau of Statistics.

"B"—PRODUCTION AND MARKETS

Table 13.

Pulpwood Production 1952

	Cords	Value
Apparent pulpwood production	14,102,670	\$396,102,104
Pulpwood imports	30,784	559,358
Total supply	14,133,454	\$396,661,462
Less pulpwood exports	2,493,263	61,837,059
Pulpwood used in Canadian mills	11,640,191	\$334,824,403

Source: Dominion Bureau of Statistics.

Table 14.

Apparent Pulpwood Production by Provinces 1952

Provinces	Cords (a)	Value
Quebec	6,583,065	\$192,714,529
Ontario	3,603,839	97,204,548
British Columbia	929,959	31,707,411
Other Provinces	2,985,807	74,475,616
Canada	14,102,670	\$396,102,104

a: Quantities are given in terms of rough or unpeeled wood. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 15.

Wood-Pulp Supply 1952

The pulpwood used in the mills resulted in the following supply:

	Tons	Value
Groundwood pulp	5,175,319	\$217,352,245
Chemical pulp	3,518,127	423,789,033
Other pulp*	274,563	8,879,033
Total wood-pulp production	8,968,009	\$650,021,180
Wood-pulp imports	57,332	5,499,093
Total wood-pulp supply	9,025,341	\$655,520,273
Wood-pulp exports	1,940,582	291,863,498
New supply**	7,084,759	\$363,656,775

* Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

** Assuming stocks are the same at beginning and end of year, "New supply" equals apparent domestic consumption. No allowance has been made for any difference in value between pulp made for export and pulp actually exported.

Source: Dominion Bureau of Statistics.

Table 16.

Total Production 1952

From the foregoing supply of wood-pulp flowed the industry's production as follows:

Pulp Made for Export	Tons	Value
Mechanical	259,001	\$ 19,637,908
Bleached sulphite	573,458	99,257,981
Unbleached sulphite	411,382	55,847,996
Sulphate	621,644	96,613,299
Other wood-pulp	28,785	3,883,574
Chemical pulp screenings	5,748	218,471
Mechanical pulp screenings	5,187	73,949
	1,905,205	\$ 275,533,178
Pulp Made for Sale in Canada	194,586	26,482,771
Total Pulp for Sale	2,099,791	\$ 302,015,949

Paper Production

Exported	5,526,127a	622,136,313
Apparent production for domestic market	1,675,673	215,968,795
	7,201,800	\$ 838,105,108
Gross Production	9,301,591b	\$1,140,121,057

(a) Excludes tonnage of bags, cartons, and other paper products having value of \$2,892,852.

(b) As most of the pulp for domestic sale was utilized in the manufacture of paper, there is some duplication in this figure.

Source: Dominion Bureau of Statistics.

Table 17.

Output by Products 1952

	tons 000'	%	\$ 000,000'	%
Pulp for sale	2,099.8	22.6	302.0	26.5
Newsprint	5,707.0	61.3	600.5	52.7
Paperboard	870.2	9.4	105.9	9.3
Other Papers	624.6	6.7	131.7	11.5
	9,301.6	100.0	\$1,140.1	100.0

Source: Dominion Bureau of Statistics.

Table 18.

Markets 1952

These figures show the relation between wood-pulp supply and export markets:

Pulp Exports	Tons	Value
To U.S.A.	1,588,981	\$225,082,376
To U.K.	210,685	35,208,295
To other countries	140,916	31,572,827
Total pulp exports	1,940,582	\$291,863,498
Apparent domestic consumption	7,084,759	363,656,775
	9,025,341	\$655,520,273

Actual wood-pulp consumption in paper-mills, including imports, totalled 7,053,398 tons, valued at \$372,305,100. Together with other paper stock and chemicals, this wood-pulp was converted into 7,201,800 tons of paper and paper board valued at \$350,024,154. The exports from this production, including paper products, were as follows:

Newsprint Exports (a)	Tons	Value
To U.S.A.	4,875,064	\$536,145,130
To U.K.	133,826	14,755,213
To other countries	345,463	42,841,628
	5,354,353	\$593,741,971
Other Paper Exports	Tons	Value
To U.S.A.	115,355	\$ 11,927,916
To U.K.	16,912	3,204,072
To other countries	39,507	10,369,502
	171,774	\$ 25,501,490
Paper Products Exports (b)	Tons	Value
To U.S.A.	—	\$ 1,244,622
To U.K.	—	74,205
To other countries	—	1,574,025
	—	\$ 2,892,852
Paper Exports	5,526,127	\$622,136,313
Pulp and Paper Exports	7,466,709	\$913,999,811

a: Includes mutilated newsprint.

b: Includes bags, boxes, hanging paper, and miscellaneous paper products.

Source: Dominion Bureau of Statistics.

Table 19.

Pulp Use and Sale 1952

The figures in this table showing the amount of pulp made for various purposes naturally differ fractionally from those of actual exports, domestic sales, and domestic consumption during the 1952 year.

Tons	Made for own use	Made for Domestic Sale	Made for Export	Total Production
Groundwood	4,895,032	21,286	259,001	5,175,319
Sulphite	1,274,779	118,476	984,840	2,378,095
Sulphate	432,808	37,586	621,644	1,092,038
Screenings & others	265,599	17,238	39,720	322,557
	6,868,218	194,586	1,905,205	8,968,009

Source: Dominion Bureau of Statistics.

Table 20.
Other Fibre and Paper Stock Used 1952

	Tons	Value
Rags, rag pulp, cotton and flax waste and sweepings, and cotton linters	40,577	\$ 2,231,984
Old and waste paper and broke (purchased)	335,142	10,945,249
Straw	30,891	479,876
Flax fibre and pulp	2,423	289,266
Fibre and leather scrap	3,241	62,752
Manilla stock, including jute bagging, rope, waste, thread, etc.	462	51,649
Other paper stock	4,274	101,626
	417,010	\$14,162,402

Source: Dominion Bureau of Statistics.

Table 21.
Paper Production 1952

	Tons	Value
Newsprint	5,707,030	\$600,515,960
Book & Writing	229,061	57,644,636
Wrapping	222,529	45,356,720
Paperboard	870,204	105,885,607
Tissue	79,974	18,620,728
All other	93,002	10,081,457
	7,201,800	\$838,105,108

Source: Dominion Bureau of Statistics.

Table 22.
Pulp and Paper Exports 1953

	Total Exports		To U.S.A.		To Other Countries	
	Tons	Value	Tons	Value	Tons	Value
PULP —						
Sulphate — Kraft	705,659	\$ 88,707,314	641,817	\$ 82,164,565	63,842	\$ 6,542,749
Bleached	534,586	72,812,932	504,531	68,926,699	30,055	3,886,233
Unbleached	171,073	15,894,382	137,286	13,237,866	33,787	2,656,516
Sulphite — Bleached	622,889	99,872,959	470,890	73,218,263	151,999	26,654,696
Dissolving	382,960	69,171,902	238,805	43,490,592	144,155	25,681,310
Paper Grades	239,929	30,701,057	232,085	29,727,671	7,844	973,386
Sulphite — Unbleached	349,619	39,133,755	252,719	28,147,869	96,900	10,985,886
Strong	246,187	27,434,271	197,252	21,926,152	48,935	5,508,119
News	103,432	11,699,484	55,467	6,221,717	47,965	5,477,767
Total Chemical	1,678,167	\$227,714,028	1,365,426	\$183,530,697	312,741	\$ 44,183,331
Mechanical	228,467	15,828,174	190,547	13,584,288	37,920	2,243,886
Bleached	49,237	3,532,953	49,237	3,532,953	—	—
Unbleached	179,230	12,295,221	141,310	10,051,335	37,920	2,243,886
Other Pulp	34,914	4,887,822	34,914	4,887,822	—	—
Screenings	8,604	244,856	8,604	244,856	—	—
Chemical	2,929	110,874	2,929	110,874	—	—
Mechanical	5,675	133,982	5,675	133,982	—	—
Total Miscellaneous	271,985	\$ 20,960,852	234,065	\$ 18,716,966	37,920	\$ 2,243,886
TOTAL PULP	1,950,152	\$248,674,880	1,599,491	\$202,247,663	350,661	\$ 46,427,217
NEWSPRINT PAPER —						
Standard	5,375,251	619,033,394	4,917,216	564,464,267	458,035	54,569,127
Mutilated	11,899	777,243	10,281	686,973	1,618	90,270
TOTAL NEWSPRINT	5,387,150	\$619,810,637	4,927,497	\$565,151,240	459,653	\$ 54,659,397
OTHER PAPER —						
Wrapping — Coated	149	55,641	95	28,039	54	27,602
Wrapping — Kraft	10,227	1,670,077	3,954	670,847	6,273	999,230
Wrapping — n.o.p.	788	149,558	664	108,890	124	40,668
Book	28,401	4,872,808	23,502	3,736,419	4,899	1,136,389
Bond & Writing	7,077	1,719,073	44	18,632	7,033	1,700,441
Paperboard — n.o.p.	34,104	3,426,320	31,605	3,077,771	2,499	348,549
Roofing & Building	3,811	247,104	2,907	188,817	904	58,287
Building & Insulating Board	18,752	1,764,374	15,821	1,508,031	2,931	256,343
Waste Paper	30,890	997,737	30,814	996,064	76	1,673
Pulpboard for Wallboard	17,812	1,827,255	17,812	1,827,255	—	—
Tissue	1,279	294,006	*	178	1,279	293,828
Toilet	759	159,959	*	35	759	159,924
TOTAL OTHER PAPER	154,049	\$ 17,183,912	127,218	\$ 12,160,978	26,831	\$ 5,022,934
PAPER PRODUCTS — (a)						
Bags, Boxes & Cartons	—	552,139	—	91,255	—	460,884
Bags	—	258,182	—	9,174	—	249,008
Boxes & Cartons	—	293,957	—	82,081	—	211,876
Hangings or Wall Paper	—	730,895	—	699,004	—	31,891
Hanging not Printed	—	170,535	—	170,535	—	—
Writing — n.o.p.	—	20,261	—	27,867	—	62,394
Handkerchiefs — Tissues	—	20,019	—	747	—	19,272
Napkins & Towels	—	26,510	—	57	—	26,453
Blank Books	—	120,681	—	366	—	120,315
Paper — n.o.p.	—	140,058	—	41,951	—	98,107
Other Paper Products	—	231,289	—	112,445	—	118,844
TOTAL PAPER PRODUCTS	—	\$ 2,082,387	—	\$ 1,144,227	—	\$ 938,160
GRAND TOTAL	7,491,351	\$887,751,816	6,654,206	\$780,704,108	837,145	\$107,047,708

* Fraction of a ton.

(a): Weight of paper products is unavailable.

n.o.p.: Not otherwise provided for.

Source: Dominion Bureau of Statistics.

"C" — PULP STATISTICS

All figures after 1948 include Newfoundland

Table 23. Pulp Production and Exports

All grades: chemical, mechanical and screenings.				
	Production		Exports	
	Tons	Value	Tons	Value
1920	1,960,102	\$141,552,862	819,984	\$ 76,383,978
1921	1,549,082	78,338,278	527,223	33,133,675
1922	2,150,251	84,947,598	818,246	41,037,849
1923	2,475,904	99,073,203	875,358	47,027,496
1924	2,465,011	90,323,972	781,983	40,242,972
1925	2,772,507	100,216,383	961,367	47,931,905
1926	3,229,791	115,154,199	1,005,780	52,077,122
1927	3,278,978	114,442,550	879,154	46,996,041
1928	3,608,045	121,184,214	863,801	45,614,823
1929	4,021,229	129,033,154	830,848	43,367,984
1930	3,619,345	112,355,872	760,220	39,059,979
1931	3,167,960	84,780,809	622,537	30,056,643
1932	2,663,248	64,412,453	452,293	18,930,064
1933	2,979,562	64,114,074	608,510	23,354,637
1934	3,636,335	75,726,958	605,641	25,444,844
1935	3,868,341	79,722,039	662,475	27,625,730
1936	4,485,445	92,336,953	754,496	31,246,695
1937	5,141,504	116,729,228	870,716	41,815,731
1938	3,667,789	87,897,148	554,037	27,730,738
1939	4,166,301	97,131,817	705,516	31,000,602
1940	5,290,762	149,005,267	1,068,516	60,930,149
1941	5,720,847	175,439,551	1,411,725	85,897,736
1942	5,606,461	192,145,062	1,510,746	95,266,873
1943	5,272,830	194,519,152	1,556,457	100,012,775
1944	5,271,137	211,041,412	1,408,081	101,563,024
1945	5,600,814	231,873,122	1,434,527	106,054,911
1946	6,615,410	287,624,227	1,418,558	114,020,659
1947	7,253,671	403,853,235	1,698,712	177,802,612
1948	7,675,079	485,966,164	1,797,998	211,564,384
1949	7,852,998	445,138,494	1,557,348	171,504,163
1950	8,473,014	502,583,925	1,846,143	208,555,549
1951	9,314,849	727,880,005	2,243,307	365,132,884
1952	8,968,009	650,021,180	1,940,582	291,863,498
1953	9,028,987e	n.a.	1,950,152	248,674,880

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 25. Chemical Pulp Exports

All grades. Screenings not included.				
Tons	Sulphite	Sulphate	Other	Total
1931	385,421	54,993	3,488	443,902
1932	287,930	38,331	2,071	328,332
1933	395,715	59,320	4,738	459,773
1934	376,460	88,037	7,950	472,447
1935	411,817	96,954	10,709	519,480
1936	464,739	119,400	13,373	597,512
1937	546,141	122,781	11,342	680,264
1938	535,273	76,286	10,039	621,598
1939	408,846	108,869	9,059	526,774
1940	708,806	136,052	12,334	857,192
1941	919,737	185,365	16,682	1,121,784
1942	1,013,505	181,325	18,757	1,213,587
1943	1,056,487	183,291	19,892	1,259,670
1944	960,297	178,876	17,269	1,156,442
1945	942,874	181,015	21,771	1,145,660
1946	906,712	204,769	19,667	1,131,148
1947	1,018,808	316,711	21,867	1,357,386
1948	1,066,534	389,599	25,316	1,481,449
1949	838,059	470,160	27,471	1,335,690
1950	969,340	581,994	33,059	1,584,393
1951	1,162,360	709,467	32,958	1,904,785
1952	1,001,207	644,923	28,984	1,675,114
1953	972,508	705,659	34,914	1,713,081

Source: Dominion Bureau of Statistics.

Table 24. Chemical Pulp Production and Exports

All grades. Screenings not included.			
	Tons Produced	Value of Production	Tons Exported
1915	331,029	.....	157,469
1916	468,826	.....	229,147
1917	540,423	\$ 38,374,191	261,760
1918	677,683	45,243,446	402,850
1919	725,187	50,003,450	397,578
1920	848,528	90,053,999	515,640
1921	612,467	45,929,513	303,729
1922	897,535	53,615,692	503,486
1923	1,012,092	60,674,518	534,251
1924	986,298	53,336,343	528,283
1925	1,084,992	59,969,673	601,163
1926	1,251,178	69,220,427	623,703
1927	1,278,572	69,169,002	599,478
1928	1,392,755	72,500,188	628,438
1929	1,501,273	76,198,051	585,108
1930	1,265,057	63,156,351	527,800
1931	1,086,735	46,998,988	443,903
1932	913,438	35,987,294	328,532
1933	1,092,601	38,510,217	459,773
1934	1,211,619	44,535,515	472,447
1935	1,276,308	47,153,565	519,480
1936	1,462,659	53,356,519	597,512
1937	1,707,889	69,538,019	680,264
1938	1,124,312	47,990,730	421,597
1939	1,342,448	53,369,808	526,774
1940	1,879,812	92,553,463	857,192
1941	2,122,292	113,128,794	1,121,784
1942	2,246,438	126,208,457	1,213,587
1943	2,188,026	130,010,210	1,259,670
1944	2,109,169	138,140,452	1,156,442
1945	2,154,267	144,084,969	1,145,660
1946	2,427,087	172,756,674	1,131,148
1947	2,755,977	251,273,372	1,357,386
1948	2,997,281	310,338,614	1,481,449
1949	2,891,418	272,355,430	1,335,690
1950	3,314,250	323,330,963	1,584,393
1951	3,814,086	503,997,803	1,904,785
1952	3,792,690	432,668,009	1,675,114
1953	3,738,776e	n.a.	1,713,081

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 26. Destination of Sulphite and Sulphate Pulp Exports

To:	Sulphite		Sulphate	
	1953 Tons	1952 Tons	1953 Tons	1952 Tons
North America	725,917	763,660	642,867	587,735
United States	723,609	752,165	641,817	586,464
Mexico	2,306	11,495	439	711
Cuba	2	—	611	560
Europe	187,618	184,996	39,686	46,200
United Kingdom	152,527	131,422	24,503	38,561
France	32,871	24,500	914	1,762
West Germany	1,725	11,640	1,399	857
Belgium	29	4,271	4,447	1,819
Italy	367	7,399	3,785	1,444
Netherlands	—	1,851	2,554	26
Switzerland	—	136	1,737	1,216
Ireland	—	223	278	478
Spain	99	3,554	41	—
Finland	—	—	28	—
Austria	—	—	—	37
Asia	53,477	31,779	13,417	1,293
Japan	50,495	29,202	9,780	957
India	2,982	2,410	—	—
Taiwan	—	—	3,512	—
Philippines	—	—	125	—
China	—	167	—	336
South America	1,038	13,683	9,131	5,943
Chile	657	2,019	4,668	2,802
Colombia	189	1,396	2,672	—
Peru	—	—	1,551	659
Brazil	192	9,681	—	1,350
Venezuela	—	587	90	1,132
Puerto Rico	—	—	150	—
Oceania	3,910	7,089	558	3,752
Australia	3,910	7,089	558	3,752
Africa	548	—	—	—
Egypt	548	—	—	—
Total Exports	972,508	1,001,207	705,659	644,923

Source: Dominion Bureau of Statistics.

Table 27.

Bleached Sulphite Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
All Grades								
1920	138,624	\$ 21,301,465	38,034	\$ 6,082,321	100,640	\$ 15,225,226	50	\$ 6,082
1921	154,804	14,481,158	78,028	6,943,230	76,801	7,540,128	25	2,200
1922	146,690	11,691,904	169	—286,705	146,705	11,993,202	184	14,593
1923	189,935	15,307,069	30,269	1,756,598	159,873	13,568,320	207	17,849
1924	200,764	14,653,587	34,975	2,276,040	165,868	12,383,645	79	6,098
1925	227,465	16,981,584	41,897	2,956,482	185,888	14,049,500	320	24,398
1926	256,868	19,645,060	56,131	3,929,938	200,994	15,734,220	257	19,098
1927	289,313	21,087,792	52,299	2,697,969	237,227	18,407,169	213	17,546
1928	304,769	22,451,771	53,520	3,371,582	251,542	19,112,964	293	32,775
1929	324,548	23,814,234	71,327	4,631,905	253,809	19,246,692	588	64,363
1930	293,394	19,619,367	45,587	1,764,164	249,098	17,954,714	1,291	99,511
1931	301,357	16,978,118	39,858	712,918	261,700	16,282,735	201	17,535
1932	256,478	13,081,700	48,928	1,909,832	207,711	11,181,623	161	9,755
1933	355,812	16,109,572	60,775	1,967,673	295,111	14,145,283	74	3,384
1934	340,262	18,034,000	66,205	3,431,395	274,144	14,607,138	87	4,533
1935	374,157	19,551,605	61,119	3,309,409	313,144	16,249,656	106	7,460
1936	429,714	22,259,923	78,094	3,884,783	351,651	18,373,727	31	1,587
1937	459,041	27,135,378	89,187	5,038,025	369,874	22,099,127	20	1,774
1938	304,834	18,818,095	68,457	3,080,445	236,438	15,742,741	61	5,091
1939	404,268	21,284,125	105,477	4,639,358	299,686	16,697,177	895	52,410
1940	543,987	36,576,496	118,166	6,879,197	427,482	29,812,822	1,661	115,523
1941	590,812	43,408,549	110,246	6,363,374	481,597	37,137,254	1,031	92,079
1942	597,316	43,809,756	135,876	7,618,564	463,301	36,382,124	1,861	190,932
1943	587,538	44,994,159	124,638	7,838,345	465,946	37,528,067	3,046	372,253
1944	585,699	48,767,224	154,570	10,565,098	434,520	38,614,714	3,391	412,588
1945	603,929	50,919,572	144,890	8,799,107	462,038	42,491,042	2,999	370,577
1946	616,797	58,859,624	160,415	12,358,355	460,503	47,013,382	4,121	512,113
1947	704,749	85,671,202	175,628	17,145,844	534,084	69,292,211	4,963	766,853
1948	731,653	99,052,519	185,326	21,459,854	551,617	78,497,251	5,290	904,586
1949	637,091	82,185,350	162,300	18,335,394	483,615	65,100,878	8,824	1,250,922
1950	760,769	101,822,594	210,156	24,957,964	557,858	77,855,345	7,245	990,715
1951	847,160	145,883,749	244,906	34,405,137	607,315	112,339,792	5,061	861,180
1952	781,762	128,560,545	219,666	28,958,709	569,081	101,002,682	9,728	1,200,846
1953	843,831e	n.a.	227,734e	n.a.	622,889	99,872,959	6,792	1,072,389
Dissolving Pulp								
1944	235,417	21,198,634	27,598	2,027,260	210,565e	19,504,292e	2,746e	332,918e
1945	233,826	22,025,991	21,440	1,183,404	214,816e	21,147,409e	2,430e	304,822e
1946	271,563	29,401,676	29,453	2,554,217	244,879	27,211,028	2,769e	363,569e
1947	306,927	41,705,429	17,845	3,230,819	292,125	38,976,383	3,043e	501,773e
1948	340,946	50,689,685	34,919	5,190,659	309,270	46,090,922	3,243	591,896
1949	262,972	39,455,746	22,738	2,846,383	243,095	37,146,886	2,861	537,523
1950	335,736	52,891,624	46,784	7,687,494	290,356	45,478,266	1,404	274,136
1951	408,969	81,904,028	47,411	10,441,827	363,145	71,831,848	1,587	369,647
1952	383,645	70,845,884	46,981	5,110,092	339,407	66,364,335	2,743	628,543
1953	425,579e	n.a.	44,207e	n.a.	382,960	69,171,902	1,588	353,014
Paper Grades								
1944	350,282	27,568,590	126,972	8,537,838	223,955e	19,110,422e	645e	79,670e
1945	370,103	28,893,581	123,450	7,615,703	247,222e	21,343,633e	569e	65,755e
1946	345,234	29,457,948	130,962	9,804,138	215,624	19,802,354	1,352e	148,544e
1947	397,822	43,965,773	157,783	13,915,025	241,959	30,315,828	1,920e	265,080e
1948	390,707	48,362,834	150,407	16,269,195	242,347	32,406,329	2,047	312,690
1949	374,119	42,729,604	139,562	15,489,011	240,520	27,953,992	5,963	713,399
1950	425,033	48,930,970	163,372	17,270,470	267,502	32,377,079	5,841	716,579
1951	438,191	63,979,721	197,495	23,963,310	244,170	40,507,944	3,474	491,533
1952	398,117	57,914,661	172,685	23,848,617	229,674	34,638,347	4,242	572,303
1953	418,252e	n.a.	183,527e	n.a.	239,929	30,701,057	5,204	719,375

b: Estimated on the basis of production plus imports minus exports.

c: Fraction of a ton.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 28.

Unbleached Sulphite Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
			All Grades					
1920	515,649	\$ 48,778,369	246,958	\$18,935,874	281,854	\$30,778,486	13,162	\$ 935,991
1921	322,125	22,002,694	208,964	14,149,662	127,389	9,122,612	14,228	1,269,580
1922	532,188	29,222,369	339,132	19,607,942	208,446	10,477,746	15,390	863,319
1923	595,891	31,704,333	382,116	20,066,596	228,033	12,406,095	14,258	768,358
1924	567,271	26,829,927	365,345	16,393,942	222,227	11,611,367	20,301	1,175,382
1925	615,320	29,670,655	370,251	16,641,014	265,553	14,150,271	20,484	1,120,630
1926	738,235	35,406,932	501,588	21,969,773	254,574	14,393,546	17,927	956,387
1927	726,747	33,803,631	556,515	24,699,183	192,557	10,269,560	22,325	1,165,112
1928	812,458	35,359,990	620,007	25,658,878	214,126	10,738,977	21,675	1,037,865
1929	911,684	38,144,801	733,636	29,356,266	196,978	9,713,979	18,930	925,444
1930	783,410	32,494,078	608,923	23,907,192	187,424	9,201,250	12,937	614,364
1931	640,222	22,433,990	529,242	17,813,130	123,721	5,146,954	12,741	526,094
1932	512,593	16,174,624	445,446	14,009,417	80,219	2,606,647	13,072	441,440
1933	553,801	15,070,885	458,627	12,171,104	100,604	3,067,525	5,430	167,744
1934	650,380	17,933,546	556,150	14,812,620	102,316	3,373,231	8,086	252,305
1935	644,820	17,546,789	562,251	14,878,220	98,673	3,186,894	16,104	518,325
1936	739,213	19,900,576	645,133	16,873,919	113,088	6,634,971	19,008	608,314
1937	914,191	28,355,232	758,367	21,101,623	176,267	7,907,788	20,443	654,179
1938	575,263	19,037,310	492,398	15,499,591	98,835	4,048,165	15,970	510,446
1939	624,552	19,998,275	534,726	16,696,992	109,160	3,954,980	19,334	653,697
1940	936,558	36,941,108	673,243	22,766,789	281,324	14,857,150	18,009	682,831
1941	1,073,704	46,797,067	651,611	21,708,658	438,140	25,942,972	16,047	854,543
1942	1,156,137	55,524,053	625,522	22,732,914	550,204	33,898,728	19,589	1,107,589
1943	1,125,033	58,076,395	553,108	22,158,932	590,541	36,997,343	18,616	1,079,880
1944	1,023,930	59,891,667	508,509	23,344,259	525,777	37,235,232	10,356	687,824
1945	1,035,755	61,923,471	565,677	27,748,246	480,836	34,916,473	10,758	741,248
1946	1,213,220	76,000,948	777,306	41,652,523	446,209	35,120,122	10,295	771,697
1947	1,322,783	102,483,191	860,180	55,816,292	484,724	48,888,906	22,121	2,222,007
1948	1,406,358	121,374,466	916,736	65,539,977	514,917	58,521,374	25,295	2,686,885
1949	1,354,368	103,606,878	1,023,903	69,939,043	354,444	36,076,547	23,979	2,408,712
1950	1,450,004	111,208,080	1,064,463	71,705,670	411,482	41,842,295	25,941	2,339,885
1951	1,697,672	172,544,639	1,168,385	85,551,347	555,045	90,017,185	25,758	3,023,893
1952	1,596,333	150,101,618	1,191,885	90,665,320	432,126	62,318,100	27,678	2,881,802
1953	1,551,097e	n.a.	1,228,051e	n.a.	349,619	39,133,755	26,573	2,946,871
Strong Grade								
1944	358,408	23,966,634	59,778	3,184,972	298,630e	20,781,662e	—	—
1945	358,308	24,748,127	60,482	3,456,546	297,826e	21,291,581e	—	—
1946	411,624	31,136,148	85,936	5,349,516	325,688	25,786,632	—	—
1947	415,164	40,266,497	97,701	7,691,023	317,463	32,575,474	—	—
1948	427,596	47,167,688	95,607	9,030,081	331,989	38,137,607	—	—
1949	323,315	31,507,798	91,056	7,836,279	232,259	23,671,519	—	—
1950	381,735	37,072,003	94,567	8,054,271	287,168	29,017,732	—	—
1951	468,060	68,978,437	105,411	10,582,210	362,649	58,396,227	—	—
1952	416,886	55,396,544	112,941	11,466,900	303,945	43,929,644	—	—
1953	383,737e	n.a.	137,550e	n.a.	246,187	27,434,271	—	—
News Grade								
1944	665,522	35,925,033	448,731	20,159,287	227,147e	16,453,570e	10,356	687,824
1945	677,447	37,175,344	505,195	24,291,700	183,010e	13,624,892e	10,758	741,248
1946	801,596	44,864,800	691,370	36,303,007	120,521	9,333,490	10,295	771,697
1947	907,619	62,216,694	762,479	48,125,269	167,261	16,313,432	22,121	2,222,007
1948	978,762	74,206,778	821,129	56,509,896	182,928	20,383,767	25,295	2,686,885
1949	1,031,053	72,099,080	932,847	62,102,764	122,185	12,405,028	23,979	2,408,712
1950	1,068,269	74,136,077	969,896	63,651,399	124,314	12,824,563	25,941	2,339,885
1951	1,229,612	103,566,202	1,062,974	74,969,137	192,396	31,620,958	25,758	3,023,893
1952	1,179,447	94,705,074	1,078,944	79,198,420	128,181	18,388,456	27,678	2,881,802
1953	1,167,360e	n.a.	1,090,501e	n.a.	103,432	11,699,484	26,573	2,946,871

See footnotes on page 9.

Note: The production and apparent consumption figures shown above for "Strong" and "News Grade" have been calculated as follows: production of "Strong" pulp assumed to equal consumption reported to D.B.S. plus exports; production and apparent consumption of "News Grade" pulp obtained by subtracting "Strong" from "All Grades".

Source: Dominion Bureau of Statistics.

Table 29.

Sulphate Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
All Grades								
1920	188,487	\$19,437,843	58,928	\$ 7,122,198	133,146	\$ 12,805,460	3,587e	\$579,815e
1921	131,337	9,062,252	33,383	2,130,728	99,539	7,199,223	1,585e	267,699e
1922	217,862	12,643,604	69,802	3,500,787	148,336	9,169,818	276e	24,001e
1923	224,813	13,559,189	78,468	4,105,431	146,345	9,453,758	—	—
1924	215,422	11,665,412	75,351	3,338,681	140,183	8,331,931	112	5,200
1925	241,252	13,244,379	91,530	4,085,518	149,722	9,158,861	—	—
1926	250,234	13,829,868	82,100	3,386,330	168,134	10,443,538	—	—
1927	251,266	13,598,815	81,573	3,405,508	169,693	10,193,307	—	—
1928	256,969	13,581,559	94,198	3,985,693	162,771	9,595,866	—	—
1929	250,104	13,191,726	115,783	5,335,259	134,321	7,856,486	c	19
1930	175,449	10,274,666	91,030	5,171,760	86,091	5,151,652	1,672	48,746
1931	136,489	7,153,530	82,479	5,573,549	54,993	5,617,444	983	37,463
1932	137,234	6,374,320	98,709	3,956,657	38,531	2,418,760	6	1,097
1933	171,236	6,859,680	111,918	3,809,541	59,320	3,050,208	2	69
1934	205,980	7,963,110	117,943	3,745,867	88,037	4,217,243	—	—
1935	236,536	9,119,496	139,582	4,209,517	96,954	4,909,979	—	—
1936	273,494	10,234,715	154,095	4,667,531	119,400	5,567,284	1	100
1937	312,741	12,920,977	189,960	6,155,567	122,781	6,765,430	c	20
1938	225,032	9,216,421	149,385	4,806,769	76,286	4,435,757	639	26,105
1939	292,066	11,074,010	184,309	5,379,191	108,869	5,741,152	1,112	46,333
1940	371,569	17,389,346	235,676	8,236,950	136,052	9,161,716	159	9,320
1941	426,743	20,940,034	241,378	8,372,148	185,365	12,567,886	—	—
1942	459,254	24,718,685	277,929	11,825,165	181,325	12,893,520	—	—
1943	441,421	24,636,048	258,130	11,119,381	183,291	13,516,667	—	—
1944	467,726	27,226,197	288,850	13,362,440	178,876	13,863,757	—	—
1945	478,740	28,731,109	297,725	14,360,805	181,015	14,370,304	—	—
1946	562,233	35,246,426	357,464	18,247,821	204,769	16,998,605	—	—
1947	689,455	59,303,735	372,724	22,057,844	316,711	37,245,891	—	—
1948	815,076	84,754,779	425,627	33,359,724	389,599	51,416,115	150	21,060
1949	855,784	81,591,665	387,823	27,045,894	470,160	54,812,327	2,199	266,556
1950	1,053,588	104,512,027	473,779	34,537,674	581,994	70,244,716	2,185	270,363
1951	1,216,907	177,903,281	511,487	48,300,450	709,467	130,166,335	4,047	563,504
1952	1,092,038	138,290,487	451,645	35,407,041	644,923	103,505,801	4,530	622,355
1953	1,221,348e	n.a.	523,162e	n.a.	705,659	88,707,314	7,473	907,719
Bleached								
1947	194,326	24,214,603	25,246	2,148,908	169,080e	22,065,695e	—	—
1948	255,346	37,227,821	30,293	5,482,126	225,203e	31,766,755e	150e	21,060e
1949	362,283	46,552,144	31,800	5,115,821	330,483e	41,436,323e	—	—
1950	436,810	58,225,315	47,390	7,248,059	389,420e	50,977,256e	—	—
1951	524,658	98,296,448	48,743	10,939,029	475,915e	87,357,419e	—	—
1952	524,513	84,457,294	37,373	4,572,421	487,140e	79,884,873e	—	—
1953	607,839e	n.a.	76,965e	n.a.	530,874e	72,316,754e	—	—
Semi-Bleached								
1947	21,451	2,010,424	9,115	627,881	12,336e	1,382,543e	—	—
1948	17,060	1,861,103	9,725	907,262	7,335e	953,841e	—	—
1949	10,184	899,759	10,964	992,094	1,419e	174,221e	2,199e	266,556e
1950	12,897	1,321,272	12,211	1,189,105	2,871e	402,530e	2,185e	270,363e
1951	11,054	1,150,508	15,040	1,704,504	61e	9,508e	4,047e	563,504e
1952	15,320	1,714,681	16,004	1,814,889	3,846e	522,147e	4,530e	622,355e
1953	20,497e	n.a.	24,258e	n.a.	3,712e	496,178e	7,473e	907,719e
Unbleached								
1947	473,658	33,078,708	338,363	19,281,055	135,295	13,797,653	—	—
1948	542,670	45,665,855	385,609	26,970,336	157,061	18,695,519	—	—
1949	483,317	34,139,752	345,059	20,937,969	138,258	13,201,783	—	—
1950	603,881	44,965,440	414,178	26,100,510	189,703	18,864,930	—	—
1951	681,195	78,456,325	447,704	35,656,917	233,491	42,799,408	—	—
1952	552,205	52,118,512	398,268	29,019,731	153,937	23,098,781	—	—
1953	593,012e	n.a.	421,939e	n.a.	171,073	15,894,382	—	—

See footnotes on page 9.

Source: Dominion Bureau of Statistics.

Table 30.

Mechanical Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
All Grades								
1920	1,090,114	\$ 49,890,337	789,356	\$ 32,639,239	304,344	\$17,574,806	3,586e	\$323,708e
1921	931,560	32,313,848	709,323	23,155,266	223,494	9,271,712	1,257e	113,130e
1922	1,241,185	31,079,429	926,425	21,679,346	314,760	9,400,083	—	—
1923	1,419,547	37,587,379	1,079,612	26,021,518	341,107	11,599,323	1,172e	33,462e
1924	1,427,726	36,163,381	1,176,962	28,361,101	253,700	7,916,029	2,936	113,749
1925	1,621,917	39,130,117	1,263,066	28,601,684	360,204	10,573,273	1,353	44,840
1926	1,901,268	44,800,257	1,521,914	33,402,964	382,077	11,505,818	2,723	108,525
1927	1,922,124	44,174,811	1,661,645	36,437,822	260,831	7,761,464	352	24,475
1928	2,127,699	47,549,324	1,924,218	42,022,091	203,670	5,546,120	189	18,887
1929	2,420,774	51,617,360	2,211,640	45,734,836	209,332	5,906,638	198	24,114
1930	2,283,130	48,317,494	2,076,976	42,413,073	208,758	5,967,172	2,604	62,751
1931	2,016,480	37,096,768	1,851,786	32,497,323	165,098	4,606,167	404	6,722
1932	1,696,021	28,018,451	1,579,832	23,459,838	116,229	2,562,089	40	3,476
1933	1,824,553	25,150,963	1,692,559	22,466,458	132,152	2,688,023	158	3,518
1934	2,340,441	30,556,675	2,220,352	27,829,717	120,121	2,727,902	32	944
1935	2,504,595	32,034,716	2,380,657	29,408,820	124,055	2,631,945	117	6,049
1936	2,910,338	38,251,389	2,776,863	35,412,990	133,518	2,841,051	43	2,652
1937	3,308,517	46,144,208	3,142,130	42,028,791	166,802	4,145,552	415	30,135
1938	2,461,997	39,228,178	2,338,032	36,330,722	124,205	2,914,247	240	16,791
1939	2,738,011	43,062,396	2,569,380	38,973,434	168,652	4,090,177	21	1,215
1940	3,305,484	55,504,763	3,101,536	49,244,546	204,090	6,265,069	142	4,852
1941	3,494,922	61,327,268	3,227,355	52,614,791	271,162	8,835,808	3,575	123,331
1942	3,260,097	64,801,837	2,981,732	54,294,388	278,365	10,507,449	—	—
1943	2,998,913	63,426,919	2,726,013	53,358,327	272,900	10,068,592	—	—
1944	3,076,296	71,668,673	2,839,751	61,534,290	236,545	10,134,383	—	—
1945	3,341,920	86,375,001	3,068,767	74,327,944	273,906	12,101,310	753	54,253
1946	3,997,848	111,514,231	3,729,613	98,950,120	268,290	12,571,257	55	7,146
1947	4,275,269	147,423,552	3,957,351	128,403,870	319,160	19,098,908	1,242	79,226
1948	4,413,513	168,343,496	4,119,262	149,273,279	296,520	19,257,283	2,269	187,066
1949	4,718,806	166,591,741	4,511,809	154,699,884	207,359	11,920,602	362	28,745
1950	4,910,803	173,035,433	4,664,432	159,085,406	247,556	14,037,566	1,185	87,539
1951	5,172,465	213,953,064	4,851,307	187,308,056	322,706	26,741,965	1,548	96,957
1952	5,175,319	217,352,245	4,935,999	197,733,203	254,716	20,413,132	15,396	794,090
1953	5,065,086e	n.a.	4,839,165e	n.a.	228,467	15,828,174	2,546	172,823
Bleached								
1952	37,835	2,916,704	4,362	251,864	33,473	2,664,840	—	—
1953	n.a.	n.a.	n.a.	n.a.	49,237	3,532,953	—	—
Unbleached								
1952	5,137,484	214,435,541	4,931,637	197,481,339	221,243	17,748,292	15,396	794,090
1953	n.a.	n.a.	n.a.	n.a.	179,230	12,295,221	—	—

See footnotes on page 9.

Source: Dominion Bureau of Statistics.

Table 31.

Defibrated and Exploded Pulps

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1946	48,009	\$1,019,492	48,009	\$1,019,492	—	—	—	—
1947	52,613	1,244,072	52,613	1,244,072	—	—	—	—
1948	65,636	2,544,930	65,636	2,544,930	—	—	—	—
1949	75,403	2,289,933	75,403	2,289,933	—	—	—	—
1950	88,962	2,548,544	88,962	2,548,544	—	—	—	—
1951	113,166	3,500,575	113,166	3,500,575	—	—	—	—
1952	109,727	3,465,438	109,727	3,465,438	—	—	—	—
1953	123,356e	n.a.	123,356e	n.a.	—	—	—	—

See footnotes on page 9.

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

Source: Dominion Bureau of Statistics.

Table 32.

Screenings

Screenings — Chemical and Mechanical									
	Production		Apparent Consumption (b)		Exports (a)		Imports		
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	
1923	43,966	\$ 797,506	25,412	\$ 349,957	18,554e	\$ 447,549e	—	—	
1924	50,777	816,248	32,490	415,483	18,287e	400,765e	—	—	
1925	65,364	1,106,633	38,838	541,498	24,526e	565,135e	—	—	
1926	77,310	1,132,290	48,983	552,682	28,327e	579,608e	—	—	
1927	78,282	1,098,737	59,437	734,196	18,845	364,541	—	—	
1928	87,591	1,134,702	55,898	513,806	31,693	620,896	—	—	
1929	99,182	1,217,743	62,774	573,554	36,408	644,189	—	—	
1930	71,158	882,027	47,496	466,421	23,662	415,606	—	—	
1931	64,745	685,053	51,209	460,619	13,536	224,434	—	—	
1932	53,789	406,708	46,257	328,771	7,532	77,937	—	—	
Screenings — Chemical									
1933	27,700	228,953	18,661	83,441	9,039	145,512	—	—	
1934	29,851	296,107	21,540	156,301	8,311	139,806	—	—	
1935	28,230	226,254	19,919	116,561	8,311	109,693	—	—	
1936	38,504	305,942	27,718	172,549	10,786	133,393	—	—	
1937	48,871	527,450	38,765	360,376	10,106	167,074	—	—	
1938	22,739	198,939	20,113	155,468	2,626	43,471	—	—	
1939	27,760	231,642	24,400	192,908	3,360	38,734	—	—	
1940	42,741	434,257	39,725	379,621	3,016	54,636	—	—	
1941	48,270	560,969	36,668	332,063	11,602	228,906	—	—	
1942	51,905	727,736	40,096	468,801	11,809	258,935	—	—	
1943	51,053	787,239	33,219	379,227	17,834	408,012	—	—	
1944	48,826	803,729	37,706	486,508	11,120	317,221	—	—	
1945	53,121	797,527	42,725	487,527	10,396	310,000	—	—	
1946	66,277	1,268,027	54,951	877,146	11,326	390,881	—	—	
1947	82,228	2,125,787	69,335	1,474,569	12,893	651,218	—	—	
1948	83,894	2,288,892	72,357	1,799,377	11,537	489,515	—	—	
1949	71,179	1,579,401	65,010	1,435,838	6,169	143,563	—	—	
1950	73,276	1,559,097	65,518	1,348,063	7,758	211,034	—	—	
1951	86,945	2,714,728	76,925	2,222,232	10,020	492,496	—	—	
1952	67,864	2,173,153	62,787	1,967,405	5,077	205,748	—	—	
1953	63,473e	n.a.	60,544e	n.a.	2,929	110,874	—	—	
Screenings — Mechanical									
1933	34,496	181,481	26,950	105,140	7,546	76,341	—	—	
1934	54,324	318,648	49,562	282,493	4,762	36,155	—	—	
1935	59,116	289,104	48,487	217,157	10,629	71,947	—	—	
1936	73,944	423,103	61,264	320,896	12,680	102,207	—	—	
1937	76,227	519,551	62,683	374,017	13,544	145,534	—	—	
1938	58,741	479,301	53,132	423,609	5,609	55,692	—	—	
1939	58,082	467,971	51,352	399,120	6,730	68,851	—	—	
1940	62,725	512,784	58,507	450,542	4,218	62,242	—	—	
1941	55,363	422,520	48,186	334,229	7,177	88,291	—	—	
1942	48,021	407,032	41,036	323,913	6,985	83,119	—	—	
1943	34,838	294,784	28,785	245,482	6,053	49,302	—	—	
1944	36,846	428,558	32,872	387,684	3,974	40,874	—	—	
1945	38,953	348,424	34,388	306,599	4,565	41,825	—	—	
1946	68,876	863,096	61,082	700,505	7,794	162,591	—	—	
1947	69,360	1,237,425	60,087	1,139,287	9,273	98,138	—	—	
1948	69,101	1,092,077	60,609	997,744	8,492	94,333	—	—	
1949	54,143	1,029,384	46,013	949,097	8,130	80,287	—	—	
1950	32,573	611,620	26,137	533,239	6,436	78,381	—	—	
1951	43,266	1,057,328	37,470	959,554	5,796	97,774	—	—	
1952	38,140	1,095,428	33,465	971,248	5,675	124,180	—	—	
1953	36,921e	n.a.	31,246e	n.a.	5,675	133,982	—	—	

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

See other footnotes on page 9.

Note: Screenings were not reported separately prior to 1923. It is assumed that these were included with "Other wood-pulps". Exports of screenings prior to 1927 were probably shown with "All other manufactures of wood, n.o.p.".

Source: Dominion Bureau of Statistics.

Table 33.

Other Wood-Pulps

Including certain grades of chemical, semi-chemical, and mechanical pulp.								
Year	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1920	27,228	\$ 2,144,848	16,820	\$1,275,549	11,165e	\$ 964,164e	757	\$ 94,865
1921	9,256	478,326	9,333	839,564	3,024e	50,023e	3,101	411,261
1922	12,326	310,292	7,797	312,667	6,255e	128,240e	1,726	130,615
1923	1,752	117,727	4,516	278,745	—	—	2,764	161,018
1924	3,051	195,417	4,119	270,979	—	—	1,068	75,562
1925	1,189	83,015	2,455	167,689	—	—	1,266	84,674
1926	5,876	339,792	7,907	466,970	—	—	2,031	127,178
1927	11,246	678,764	11,679	705,584	354e	24,780e	787	51,600
1928	18,559	1,106,868	14,477	844,166	4,349e	280,976e	267	18,274
1929	14,937	1,047,290	8,729	610,599	6,366e	447,320e	158	10,629
1930	12,804	768,240	7,639	400,145	5,187	369,585	22	1,490
1931	8,667	433,350	5,268	259,531	3,488	178,909	89	5,090
1932	7,133	356,650	5,102	277,118	2,071	83,008	40	3,476
1933	11,964	512,540	7,385	334,313	4,737	181,745	158	3,518
1934	15,097	624,872	7,147	281,503	7,950	343,369	—	—
1935	20,887	954,075	10,229	490,983	10,709	465,616	51	2,524
1936	20,238	961,305	6,983	375,189	13,373	591,062	118	4,946
1937	21,916	1,126,432	10,750	550,917	11,342	585,226	176	9,711
1938	19,183	918,904	9,213	431,280	10,039	490,665	69	3,041
1939	21,562	1,013,398	12,685	613,353	9,059	409,531	182	9,486
1940	27,698	1,646,513	15,389	931,860	12,334	716,514	25	1,861
1941	31,033	1,983,144	14,351	886,525	16,682	1,096,610	—	—
1942	33,731	2,155,963	14,974	912,955	18,757	1,242,998	—	—
1943	34,034	2,303,608	14,142	858,816	19,892	1,444,792	—	—
1944	31,814	2,255,364	14,545	898,521	17,269	1,356,843	—	—
1945	48,396	2,778,018	26,625	954,061	21,771	1,823,957	—	—
1946	42,150	2,852,383	22,483	1,088,562	19,667	1,763,821	—	—
1947	57,234	4,364,271	35,367	1,836,931	21,867	2,527,340	—	—
1948	89,848	6,515,005	64,532	3,226,492	25,316	3,288,513	—	—
1949	86,224	6,264,152	58,821	2,902,344	27,471	3,369,959	68	8,151
1950	103,039	7,286,530	70,007	3,004,090	33,059	4,286,212	27	3,772
1951	137,268	10,322,641	104,312	5,045,974	32,958	5,277,337	2	670
1952	105,826	8,782,266	76,842	4,488,711	28,984	4,293,855	—	—
1953	122,495e	n.a.	87,581e	n.a.	34,914	4,887,822	—	—

See footnotes on page 9.

Source: Dominion Bureau of Statistics.

Table 34.

Consumption of Wood-Pulp in Paper and Board Production, by Kinds

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons	Defibrated & Exploded Tons	Other Wood-Pulp Tons
1920	1,156,897	23,435	270,233	55,672	799,159	—	—	8,398
1921	1,002,930	66,902	210,188	31,464	689,038	—	—	5,338
1922	1,322,951	29,201	307,642	56,356	925,761	—	—	3,991
1923	1,543,124	34,982	363,843	70,970	1,060,887	9,454	—	2,988
1924	1,875,819	38,483	384,928	63,784	1,176,601	704	—	11,319
1925	1,847,753	43,378	381,816	105,212	1,279,943	34,958	—	2,446
1926	2,230,556	53,226	529,806	67,561	1,528,622	38,991	—	12,350
1927	2,444,047	55,700	550,609	77,463	1,707,657	35,906	—	18,712
1928	2,809,488	63,372	631,535	86,276	1,948,104	60,830	—	19,371
1929	3,173,974	66,868	725,268	91,932	2,210,046	69,441	—	10,419
1930	2,897,142	54,533	615,011	84,818	2,068,712	64,827	—	9,241
1931	2,565,843	56,259	530,191	81,487	1,842,234	48,751	—	6,921
1932	2,234,986	52,642	463,734	91,029	1,576,849	44,864	—	5,868
1933	2,368,120	53,109	458,729	105,573	1,690,453	51,320	—	8,936
1934	3,008,167	61,265	554,101	121,797	2,192,987	70,484	—	7,535
1935	3,212,704	72,253	557,794	133,897	2,369,378	70,796	—	8,586
1936	3,745,959	84,709	639,474	151,568	2,755,974	105,685	—	8,549
1937	4,252,954	77,092	741,051	181,232	3,136,195	106,334	—	11,050
1938	3,122,180	74,380	503,020	147,013	2,312,001	75,876	—	9,890
1939	3,460,614	85,661	530,474	183,771	2,567,348	81,352	—	12,008
1940	4,176,879	101,086	649,919	227,654	3,087,225	95,830	—	15,165
1941	4,364,329	110,431	671,265	251,880	3,226,986	87,037	—	16,730
1942	4,061,458	124,258	607,684	265,728	2,969,746	79,182	—	14,860
1943	3,788,317	114,071	559,440	254,246	2,773,972	72,116	—	14,472
1944	3,859,645	119,572	506,619	288,352	2,851,835	78,929	—	14,338
1945	4,199,106	134,045	561,437	298,541	3,070,021	84,517	23,803	26,742
1946	5,183,555	143,878	769,492	358,148	3,728,740	111,586	48,549	23,162
1947	5,585,061	166,616	861,704	379,606	3,964,383	124,485	52,613	35,654
1948	5,853,300	158,314	915,203	414,589	4,109,469	125,794	65,636	64,295
1949	6,339,007	158,648	1,013,091	408,340	4,516,610	107,212	75,403	59,703
1950	6,592,006	176,702	1,054,060	462,726	4,649,708	89,877	88,962	69,971
1951	7,015,882	195,067	1,141,729	507,625	4,844,796	109,192	113,166	104,307
1952	7,053,398	177,919	1,187,043	472,169	4,928,812	95,530	110,039	81,886
1953	7,076,632e	183,527e	1,228,051e	523,162e	4,839,165e	91,790e	123,356e	87,581e

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 35.

Consumption of Wood-Pulp in Paper and Board Production, by Sources

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons	Defibrated & Exploded Tons	Other Wood-Pulp Tons
Own Pulp from Same Mill								
1920	963,762	3,630	199,507	51,041	702,519	—	—	7,065
1921	870,543	43,291	155,504	24,903	643,164	—	—	3,681
1922	1,188,581	7,248	242,832	48,611	888,783	—	—	1,107
1923	1,373,245	9,930	281,898	60,378	1,013,538	6,161	—	1,340
1924	1,461,673	9,646	288,081	54,803	1,103,088	—	—	6,055
1925	1,643,123	14,184	285,294	95,099	1,222,210	25,305	—	1,031
1926	2,012,624	16,389	426,512	58,743	1,472,367	31,773	—	6,840
1927	2,246,051	15,029	459,196	66,537	1,667,757	26,915	—	10,617
1928	2,644,345	19,514	567,462	75,623	1,929,630	44,266	—	7,850
1929	2,981,478	22,949	651,818	80,881	2,185,029	40,801	—	—
1930	2,736,964	20,523	560,977	71,755	2,045,504	37,833	—	372
1931	2,432,474	23,003	486,735	66,191	1,831,251	25,294	—	—
1932	2,117,580	21,390	425,568	73,670	1,567,646	29,306	—	—
1933	2,236,853	21,335	427,595	82,164	1,675,204	30,555	—	—
1934	2,854,599	21,843	512,164	100,566	2,179,628	40,392	—	6
1935	3,041,835	26,357	508,748	108,319	2,354,442	43,119	—	850
1936	3,557,375	28,123	592,048	124,933	2,742,159	66,653	—	3,457
1937	4,056,147	31,148	677,084	152,941	3,123,599	66,702	—	4,673
1938	2,953,745	32,527	448,031	121,267	2,302,009	46,540	—	3,571
1939	3,271,263	38,863	471,295	154,155	2,555,740	47,106	—	4,104
1940	3,959,472	46,627	585,314	191,573	3,067,887	63,113	—	4,958
1941	3,132,158	49,996	606,079	214,050	3,203,887	53,508	—	4,638
1942	3,846,947	64,852	540,453	227,046	2,957,592	51,874	—	5,130
1943	3,574,185	50,981	500,084	211,526	2,759,392	47,661	—	4,541
1944	3,651,322	58,306	453,584	242,900	2,840,653	51,331	—	4,548
1945	3,978,373	58,601	517,586	249,896	3,057,837	53,585	23,803	17,065
1946	4,922,055	60,573	699,812	318,359	3,712,242	69,657	48,549	12,863
1947	5,249,369	67,720	759,869	339,665	3,928,813	76,895	52,613	23,794
1948	5,534,167	81,142	811,142	374,707	4,077,780	88,225	65,636	52,143
1949	5,991,912	67,435	928,159	363,564	4,427,388	81,135	75,403	48,828
1950	6,213,302	74,043	956,733	403,458	4,566,343	63,788	88,962	59,975
1951	6,583,069	80,225	1,036,328	435,335	4,743,924	80,731	113,166	93,360
1952	6,660,897	78,880	1,081,585	410,030	4,845,369	68,476	109,727	66,830
1953	6,592,519e	73,236e	1,100,109e	436,130e	4,723,814e	64,380e	123,356e	71,466e
Own Pulp from Other Mills								
1952	216,496	51,874	78,942	16,459	49,083	17,007	—	3,131
1953	264,913e	57,767e	95,682e	23,053e	67,852e	17,231e	—	3,328e
Purchased (Market) Pulp and Own Pulp from Other Mills								
1920	193,135	19,805	70,726	4,631	96,640	—	—	1,333
1921	132,387	23,611	54,684	6,561	45,874	—	—	1,657
1922	134,370	21,953	64,810	7,745	36,978	—	—	2,884
1923	169,879	25,052	81,945	10,592	47,349	3,293	—	1,648
1924	214,146	28,837	96,847	8,981	73,513	704	—	5,264
1925	204,630	29,194	96,522	10,113	57,733	9,653	—	1,415
1926	217,932	36,837	103,294	8,818	56,255	7,218	—	5,510
1927	197,996	40,671	91,413	10,926	39,900	6,991	—	8,095
1928	165,143	43,858	64,073	10,653	18,474	16,564	—	11,521
1929	192,496	43,919	73,450	11,051	25,017	28,640	—	10,419
1930	160,178	34,010	54,034	13,063	23,208	26,994	—	8,869
1931	133,369	33,256	43,456	15,296	10,983	23,457	—	6,921
1932	117,406	31,252	38,166	17,359	9,203	15,558	—	5,868
1933	131,267	31,774	31,134	23,409	15,249	20,675	—	8,936
1934	153,568	39,420	41,937	21,231	13,359	30,092	—	7,529
1935	170,869	45,896	49,046	25,678	14,936	27,677	—	7,736
1936	188,586	56,586	47,426	26,655	13,815	39,032	—	5,092
1937	196,807	45,944	63,967	28,291	12,596	39,632	—	6,377
1938	168,435	41,853	54,989	25,746	9,992	29,536	—	6,319
1939	189,351	46,798	59,179	29,616	11,608	34,246	—	7,904
1940	217,407	54,459	64,605	36,081	19,338	32,717	—	10,207
1941	232,171	60,435	65,186	37,830	23,099	33,529	—	12,092
1942	214,511	59,406	67,231	38,682	12,154	27,308	—	9,730
1943	214,132	63,090	59,356	42,720	14,580	24,455	—	9,931
1944	208,323	61,266	53,035	45,452	11,182	27,598	—	9,790
1945	220,733	75,444	43,851	48,645	12,184	30,932	—	9,677
1946	261,500	83,305	69,680	39,789	16,498	41,929	—	10,299
1947	335,692	98,896	101,835	39,941	35,570	47,590	—	11,860
1948	319,133	93,780	104,061	39,882	31,689	37,569	—	12,152
1949	347,095	91,213	84,932	44,776	89,222	26,077	—	10,875
1950	378,704	102,659	97,327	59,268	83,365	26,089	—	9,996
1951	432,813	114,842	105,401	72,290	100,872	28,461	—	10,947
Market Pulp								
1952	176,005	47,165	26,616	45,680	34,360	10,047	312	11,925
1953	219,228e	52,524e	32,260e	63,979e	47,499e	10,179e	—	12,787e

e: Canadian Pulp and Paper Association estimate.

Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.

Source: Dominion Bureau of Statistics.

Table 36.

Imports of Wood-Pulp

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Other Wood-Pulp Tons
1920	21,142	50	13,162	3,587e	3,586e	757
1921	20,196	25	14,228	1,585e	1,257e	3,101
1922	17,576	184	15,390	276c	—	1,726
1923	18,401	207	14,258	—	1,172e	2,764
1924	24,496	79	20,301	112	2,936	1,068
1925	23,423	320	20,484	—	1,353	1,266
1926	22,938	257	17,927	—	2,723	2,031
1927	23,677	213	22,325	—	352	787
1928	22,424	293	21,675	—	189	267
1929	19,874	588	18,930	c	198	158
1930	18,526	1,291	12,937	1,672	2,604	22
1931	14,418	201	12,741	983	404	89
1932	13,420	161	13,072	6	40	141
1933	5,708	74	5,430	2	158	44
1934	8,205	87	8,086	c	32	—
1935	16,378	106	16,104	—	117	51
1936	19,201	31	19,008	1	43	118
1937	21,054	20	20,443	c	415	176
1938	16,979	61	15,970	639	240	69
1939	21,544	895	19,334	1,112	21	182
1940	19,996	1,661	18,009	159	142	25
1941	20,653	1,031	16,047	—	3,575	—
1942	21,450	1,861	19,589	—	—	—
1943	21,662	3,046	18,616	—	—	—
1944	13,747	3,391	10,356	—	—	—
1945	14,510	2,999	10,758	—	753	—
1946	14,471	4,121	10,295	—	55	—
1947	28,326	4,963	22,121	—	1,242	—
1948	33,004	5,290	25,295	150	2,269	—
1949	35,432	8,824	23,979	2,199	362	68
1950	36,583	7,245	25,941	2,185	1,185	27
1951	36,416	5,061	25,758	4,047	1,548	2
1952	57,332	9,728	27,678	4,530	15,396	—
1953	43,384	6,792	26,573	7,473	2,546	—

c: Fraction of a ton.

e: Canadian Pulp and Paper Association estimates.

Source: Dominion Bureau of Statistics.

Table 37.

Newfoundland Production and Exports of Wood-Pulp

Year†	Production		Exports			
	Unbleached Sulphite	Mechanical	Unbleached Sulphite		Mechanical	
	Tons	Tons	Tons	\$	Tons	\$
1920	n.a.	n.a.	2,324	205,151	17,540	129,125
1921	n.a.	n.a.	—	—	26,838	246,009
1922	n.a.	n.a.	—	—	19,932	364,514
1923	n.a.	n.a.	—	—	21,680	364,289
1924	n.a.	n.a.	—	—	31,674	531,833
1925	n.a.	n.a.	—	—	12,711	215,896
1926	n.a.	n.a.	—	—	11,147	175,325
1927	58,422	177,470	—	—	3,689	56,801
1928	57,320	174,163	—	—	22	143
1929	55,515	176,368	—	—	65	956
1930	65,036	222,665	—	—	c	6
1931	60,626	220,460	—	—	—	—
1932	51,808	211,642	—	—	—	—
1933	42,990	222,665	—	—	—	—
1934	49,603	256,836	—	—	—	—
1935	52,326	279,106	—	—	—	—
1936	49,355	272,512	—	—	—	—
1937	57,752	295,000	—	—	—	—
1938	40,609	226,017	4,334	182,618	—	—
1939	52,907	263,395	—	—	—	—
1940	85,306	308,132	11,111	512,949	98	3,463
1941	105,065	307,689	28,932	1,676,921	8,685	252,557
1942	118,071	265,219	57,849	3,284,247	22,779	790,137
1943	77,729	239,842	30,827	1,742,820	24,825	870,777
1944	70,466	287,776	36,541	2,088,100	35,517	1,463,790
1945	77,806	314,144	27,559	1,661,620	38,250	1,814,895
1945* . . . . .	.....	.....	33,753	2,299,055	12,389	744,931
1946	72,255	331,085	15,177	1,231,586	246	14,986
1947	99,391	340,070	39,755	2,753,059	404	24,900
1948	115,965	351,726	42,139	3,224,896	2,435	154,637

† All production figures are for calendar years. Export figures 1920-1942, fiscal years ending June 30; 1943, 9 months ending March 31; 1945*, 9 months ending December 31; 1946-1948, calendar years.

See other footnotes on page 9.

Note: This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated with the Canadian totals.

Sources: Production, 1927-1944, United States Pulp Producers' Association; 1945-1948, Canadian Pulp and Paper Association. Exports, Newfoundland Customs Returns.

Table 38.

Canadian Pulp in U.S. Market

The following figures cover all grades of pulp including mechanical and screenings. Over the war years imports of mechanical pulp by the United States have averaged some 17 per cent of total pulp imports.

Tons	U.S. Pulp Production	Total U.S. Imports	U.S. Imports from Canada	U.S. Exports	U.S. Net Imports
1925	3,962,217	1,663,614	880,453	37,995	1,625,619
1926	4,394,766	1,731,413	864,333	34,220	1,697,193
1927	4,313,403	1,675,768	778,999	32,006	1,643,762
1928	4,510,800	1,754,963	784,981	33,484	1,721,479
1929	4,862,885	1,880,728	796,945	54,067	1,826,661
1930	4,650,308	1,830,217	735,864	48,426	1,781,791
1931	4,409,344	1,596,421	550,127	53,308	1,543,113
1932	3,760,267	1,481,760	425,326	47,860	1,433,900
1933	4,276,204	1,941,576	550,871	79,193	1,862,383
1934	4,456,128	1,805,972	541,728	142,932	1,663,040
1935	4,925,669	1,933,249	541,078	171,853	1,761,396
1936	5,695,219	2,277,500	670,962	193,485	2,084,015
1937	6,572,918	2,394,605	712,238	322,544	2,072,061
1938	5,953,560	1,710,393	467,323	140,484	1,569,909
1939	6,993,334	2,026,441	637,953	139,504	1,886,937
1940	8,959,559	1,224,570	828,307	480,938	743,632
1941	10,375,422	1,157,886	1,130,624	328,608	829,278
1942	10,783,430	1,236,519	1,210,960	378,148	858,371
1943	9,680,462	1,305,549	1,279,886	300,700	1,004,849
1944	10,108,443	1,071,864	1,071,814	218,401	853,463
1945	10,167,200	1,754,065	1,079,014	135,362	1,618,703
1946	10,606,527	1,805,488	1,244,215	39,361	1,766,127
1947	11,945,864	2,322,460	1,520,913	130,096	2,192,364
1948	12,872,292	2,176,111	1,593,584	93,727	2,082,384
1949	12,207,279	1,763,102	1,313,884a	122,133	1,640,969
1950	14,848,951	2,385,181	1,717,035a	95,673	2,289,508
1951	16,524,408	2,360,706	1,876,505a	201,908	2,158,798
1952	16,472,979	1,941,359	1,581,214a	211,924	1,729,435
1953	17,524,929	2,156,285	1,613,684a	161,687	1,994,598

a: Includes Newfoundland.

n.a.: Not available.

Source: United States Pulp Producers Association.

Table 39.

Average Values of U.S. Pulp Imports From Canada & Newfoundland

Per ton	Rayon & Special Chemical Grades	Bleached Sulphite Other Than Rayon & Special Chemical	Unbleached Sulphite	Bleached Sulphate	Unbleached Sulphate	Mechanical
1937	\$ 71.82	\$ 57.21	\$ 41.47	\$ 66.83	\$ 41.10	\$19.23
1938	86.65	53.16	37.97	67.28	47.24	22.50
1939	74.82	48.42	36.40	58.87	48.84	24.26
1940	78.45	61.88	48.84	74.81	58.18	28.05
1941	82.04	67.37	53.86	80.64	57.84	28.25
1942	81.22	68.21	56.09	84.55	61.08	34.57
1943	84.47	69.69	57.89	85.72	62.94	32.28
1944	92.68	78.38	65.99	85.85	66.77	38.31
1945	93.89	79.49	67.51	85.77	69.25	40.10
1946	109.74	87.19	76.80	93.48	77.98	45.30
1947	136.49	123.41	103.06	120.65	104.58	59.76
1948	152.39	134.01	112.90	146.02	122.82	63.63
1949	149.55	116.03	98.28	123.68	99.47	57.69
1950	149.59	115.54	93.01	122.44	92.31	55.74
1951	176.89	152.79	129.97	167.50	148.42	81.06
1952	182.13	148.44	135.01	160.36	132.24	76.80

Source: United States Pulp Producers Association.

Table 40.

World Pulp Figures — 1952*

	In 000's of short tons	Production	Imports	Exports
Canada (incl. Newfoundland)	8,897	55	1,941	
United States	16,464	1,938	212	
	25,361	1,993	2,153	
Finland	2,071	—	949	
Norway	1,191	8	590	
Sweden	3,379	—	1,797	
	6,641	8	3,336	
Western & Central Europe (a)	2,896	3,111	155	
Other countries (b)	1,704	297	0	
Total, above countries	36,602	5,409	5,644	

(a) Includes Austria, Belgium, Denmark, France, Great Britain, Greece, Italy, Netherlands, Portugal, Spain, Switzerland, Turkey and Western Germany.

(b) Includes Australia, Brazil, Chile, India, Japan, New Zealand and Venezuela.

* Above table includes data from major pulp producing and consuming countries for which reliable and current data are available.

Source: United States Pulp Producers Association.

Table 41.

Year-end Inventories of Pulp at Pulp Mills

	1950	1951	1952	1953
	Tons	Tons	Tons	Tons
Dissolving & Special Alpha	18,246	9,388	18,246	16,571
Total Sulphite—Paper Grades	29,866	24,032	29,866	18,875
Total Bleached Sulphite	7,524	4,678	7,524	5,523
Total Unbleached Sulphite	22,342	19,354	22,342	13,352
News Grade	5,662	6,230	5,662	3,666
Strong	16,680	13,124	16,680	9,686
Total Sulphate—Paper Grades	24,525	11,300	24,525	16,003
Bleached	14,597	7,867	14,597	9,237
Semi-Bleached	1,087	5	1,087	589
Unbleached	8,841	3,428	8,841	6,177
Total Chemical	73,456	44,942	73,456	52,408
Mechanical	14,719	16,901	14,719	9,384
Total—All Pulp*	88,175	61,843	88,175	61,792
Screenings	8,191	4,344	8,191	3,248

* Includes other unspecified grades.

Source: Canadian Pulp and Paper Association.

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Data in this section have been compiled by
Newsprint Association of Canada from the sources mentioned.

Table 42.

Newsprint Capacity and Production

All figures include Newfoundland.			
Tons	Capacity	Operating Ratio	Production
1913	.....	...	402,000
1914	.....	...	470,000
1915	.....	...	549,000
1916	.....	...	662,000
1917	.....	...	722,000
1918	837,000	92.0	770,000
1919	905,000	93.8	849,000
1920	1,016,000	92.3	938,000
1921	1,151,000	74.0	852,000
1922	1,277,000	89.5	1,143,244
1923	1,465,000	90.8	1,330,138
1924	1,638,000	86.5	1,417,642
1925	1,823,000	88.8	1,618,805
1926	2,121,000	97.5	2,068,208
1927	2,716,000	84.3	2,289,801
1928	3,262,000	80.1	2,611,847
1929	3,512,000	85.0	2,984,327
1930	3,902,000	71.5	2,791,406
1931	4,127,000	61.0	2,516,437
1932	4,142,000	52.8	2,186,120
1933	4,149,000	55.0	2,282,066
1934	4,182,000	69.6	2,911,355
1935	4,263,120	72.3	3,082,994
1936	4,217,860	83.8	3,535,465
1937	4,210,743	94.9	3,997,942
1938	4,534,884	63.8	2,892,984
1939	4,632,936	68.5	3,174,544
1940	4,716,030	79.9	3,769,946
1941	4,702,671	80.2	3,770,665
1942	4,763,235	72.5	3,454,528
1943	4,677,951	68.8	3,219,004
1944	4,726,464	69.1	3,264,581
1945	4,672,080	76.9	3,591,901
1946	4,640,944	97.1	4,506,063
1947	4,728,724	101.9	4,820,164
1948	4,883,127	102.0	4,982,834
1949	5,113,108	101.2	5,176,327
1950	5,226,675	101.0	5,278,585
1951	5,359,816	102.9	5,516,279
1952	5,510,397	103.2	5,687,051
1953	5,722,640	100.0	5,721,296

Figures for 1913-17 cover fiscal years.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 43.

Newsprint Shipments and Mill Stocks

Shipments to:					
Tons	Canada & Newfoundland	U.S.A.	Overseas	Total	Mill Stocks
1913	.....	218,000	92,000	.....	.....
1914	.....	275,000	104,000	.....	.....
1915	.....	329,000	95,000	.....	.....
1916	.....	438,000	125,000	.....	.....
1917	.....	491,000	79,000	.....	.....
1918	.....	602,000	65,000	.....	.....
1919	.....	628,000	115,000	.....	.....
1920	110,000	679,306	160,000	949,306	67,999
1921	95,000	656,660	96,000	847,660	72,339
1922	129,000	896,311	136,000	1,161,311	54,272
1923	120,000	1,108,466	85,000	1,313,466	70,944
1924	127,000	1,200,803	88,000	1,415,803	72,783
1925	124,000	1,315,404	148,000	1,587,404	104,184
1926	147,000	1,750,749	182,000	2,079,749	92,643
1927	181,000	1,865,003	234,000	2,280,003	102,441
1928	193,000	2,040,920	370,000	2,603,920	110,368
1929	208,000	2,326,502	442,000	2,976,502	118,193
1930	162,000	2,145,471	442,000	2,749,471	160,128
1931	195,000	1,915,838	377,000	2,487,838	188,727
1932	146,000	1,647,216	386,000	2,179,216	195,631
1933	148,640	1,715,331	459,447	2,323,418	154,279
1934	173,755	2,113,767	625,877	2,913,399	152,235
1935	200,303	2,122,099	727,338	3,049,740	185,489
1936	194,808	2,550,925	845,778	3,591,511	129,443
1937	220,200	3,044,731	766,933	4,031,864	95,521
1938	159,792	1,940,303	680,229	2,780,324	208,181
1939	190,102	2,281,460	653,151	3,124,713	258,012
1940	184,605	2,741,363	877,851	3,803,819	224,139
1941	197,508	2,987,235	616,890	3,801,633	193,171
1942	203,484	3,006,592	278,791	3,488,867	158,832
1943	193,848	2,680,790	398,640	3,273,278	104,558
1944	188,261	2,529,693	553,457	3,271,411	97,728
1945	201,492	2,665,947	685,469	3,552,908	136,721
1946	248,366	3,563,124	684,770	4,496,260	146,524
1947	275,144	3,897,300	700,839	4,873,283	95,405
1948	306,485	4,127,970	532,589	4,967,044	109,195
1949	335,385	4,380,250	448,697	5,164,332	121,190
1950	354,602	4,748,228	207,803	5,310,633	89,142
1951	359,895	4,783,549	360,067	5,503,511	101,910
1952	368,768	4,835,065	462,616	5,666,449	122,512
1953	398,277	4,861,372	472,915	5,732,564	111,244

Figures for 1913-17 cover fiscal years.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 44.

Newsprint Capacity and Production

All figures include Newfoundland.			
Tons	Number of Work Days	Capacity Per Day	Production Per Day
1935	310	13,752	9,945
1936	310	13,606	11,405
1937	309	13,627	12,938
1938	309	14,676	9,362
1939	308	15,042	10,307
1940	310	15,213	12,161
1941	309	15,219	12,203
1942	309	15,415	11,180
1943	309	15,139	10,417
1944	309	15,296	10,565
1945	309	15,120	11,624
1946	308	15,068	14,630
1947	308	15,353	15,650
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576

Because of variations in the number of workdays in a year or a month, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 45.

Newsprint Overseas Shipments

Including Shipments from Newfoundland.					
Tons	British Isles	Australia & N.Z.	South America	Central America	All Others
1935	330,331	143,106	95,907	21,707	136,287
1936	347,516	232,502	104,439	35,016	126,305
1937	408,043	125,222	101,468	42,508	89,692
1938	384,149	213,400	35,245	15,351	32,084
1939	354,211	171,839	54,501	29,757	42,843
1940	335,586	196,028	172,153	56,454	117,630
1941	150,863	91,441	208,144	60,735	105,707
1942	69,659	10,780	99,336	64,355	34,661
1943	127,856	52,202	133,188	47,308	38,086
1944	149,934	111,543	140,686	75,883	75,411
1945	223,044	116,211	146,700	78,957	120,557
1946	119,631	195,067	158,373	96,576	115,123
1947	131,203	212,444	131,658	102,382	123,152
1948	123,310	78,196	95,213	112,198	123,672
1949	126,484	74,000	33,417	106,332	108,464
1950	28,056	33,030	16,469	88,454	41,794
1951	103,462	37,671	15,463	116,306	87,165
1952	135,749	76,266	29,020	134,008	87,571
1953	189,591	48,396	30,420	127,997	76,511

Source: Newsprint Association of Canada.

Table 46.
Value of Newsprint Production and Exports

	Production	Exports
1915	\$ a	\$ 16,438,679
1916	a	21,098,997
1917	38,868,084	32,561,020
1918	46,230,814	37,301,269
1919	54,427,879	49,811,362
1920	80,865,271	72,920,225
1921	78,784,598	69,786,317
1922	75,971,327	68,362,817
1923	93,213,340	85,611,258
1924	100,276,903	90,990,711
1925	106,268,641	98,945,337
1926	121,064,946	114,090,595
1927	132,286,729	123,222,094
1928	144,146,632	141,103,527
1929	160,800,157	148,865,648
1930	136,181,883	133,370,932
1931	111,419,637	107,233,112
1932	85,539,852	82,966,199
1933	66,959,501	69,200,515
1934	86,811,460	82,503,659
1935	88,436,465	87,924,251
1936	105,214,533	103,639,634
1937	126,424,303	126,466,412
1938	107,051,202	104,615,042
1939	120,858,583	115,687,288
1940	158,447,311	151,360,196
1941	158,925,310	154,356,543
1942	147,074,109	141,065,618
1943	152,962,868	144,707,065
1944	165,655,165	157,190,834
1945	189,023,736	179,450,771
1946	280,809,610	265,864,969
1947	355,540,669	342,293,158
1948	402,099,718	383,122,743
1949	467,976,343	440,054,067
1950	506,968,207	485,746,314
1951	564,361,193	536,372,498
1952	600,515,960	591,790,209
1953	a	619,033,394

a: Not available.
Figures for 1915-1948 do not include Newfoundland.
Source: Dominion Bureau of Statistics.

Table 47. U.S. Newsprint Production

Tons	Capacity	Production	Shipments to:	Total
			U.S.A.	Shipments
1913		1,305,000		
1914		1,313,000		
1915		1,239,000		
1916		1,315,000		
1917		1,359,000		
1918	1,450,000	1,260,000		
1919	1,388,000	1,375,000		
1920	1,548,000	1,511,968		1,502,574
1921	1,668,000	1,225,235		1,226,064
1922	1,639,000	1,447,688		1,452,414
1923	1,578,000	1,485,000		1,477,332
1924	1,632,000	1,481,424		1,480,819
1925	1,721,000	1,530,318	1,521,560	1,534,345
1926	1,763,000	1,684,218	1,679,952	1,684,790
1927	1,788,000	1,485,495	1,471,950	1,474,521
1928	1,735,000	1,417,572	1,397,082	1,399,425
1929	1,741,000	1,392,276	1,406,469	1,409,239
1930	1,687,000	1,282,372	1,262,721	1,268,065
1931	1,768,000	1,157,436	1,156,610	1,157,827
1932	1,771,000	1,008,588	1,008,982	1,009,965
1933	1,735,000	946,374	949,730	950,171
1934	1,714,000	961,403	962,318	966,515
1935	1,504,000	912,392	910,895	917,236
1936	1,471,000	921,408	911,488	916,676
1937	1,464,000	945,721	940,089	944,629
1938	1,094,000	820,055	816,295	816,577
1939	972,000	939,442	942,240	945,073
1940	1,081,000	1,013,437	998,378	1,012,934
1941	1,085,000	1,014,912	995,448	1,020,781
1942	1,126,000	952,616	932,931	950,601
1943	1,033,000	804,853	788,932	803,462
1944	1,033,000	719,802	708,815	723,437
1945	981,000	724,448	707,433	725,465
1946	839,000	770,890	753,631	762,012
1947	845,000	825,554	824,020	832,471
1948	850,000	867,494	857,540	866,849
1949	876,000	899,528	883,657	897,660
1950	992,000	1,014,703	1,002,125	1,017,276
1951	1,050,000	1,124,748	1,107,552	1,125,421
1952	1,165,000	1,146,864	1,075,540	1,142,706
1953	1,170,000	1,083,982	1,057,288	1,087,682

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for exports, such tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1952, the Department showed exports of 104,998 tons versus 67,166 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 48. Newfoundland Newsprint Production

Tons	Capacity	Production	Shipments to:	Total
			U.S.A.	Shipments
1913		77,200		52,890
1914		77,200		55,558
1915		77,200		42,429
1916		77,200		71,984
1917		77,200		18,344
1918		77,200	24,982	4,526
1919		77,200	14,995	29,271
1920		77,200	3,548	67,747
1921		77,200	219	42,260
1922		77,200	0	63,727
1923		77,200	0	61,898
1924		77,200	4,324	60,435
1925	108,000	96,588	24,447	66,850
1926	190,000	186,471	115,734	77,930
1927	241,000	202,852	87,706	100,779
1928	268,500	230,745	138,586	97,867
1929	287,450	255,500	156,705	100,409
1930	301,900	287,259	164,532	117,271
1931	301,943	294,983	170,252	121,707
1932	301,943	271,804	138,335	128,750
1933	301,943	270,001	130,155	166,568
1934	321,317	314,057	119,969	196,754
1935	348,952	332,144	113,503	200,764
1936	348,952	326,449	116,340	226,649
1937	327,590	330,142	135,371	241,177
1938	330,680	268,404	59,283	204,450
1939	339,680	305,278	87,334	175,557
1940	348,223	351,143	146,911	220,263
1941	361,860	344,800	217,233	367,885
1942	363,405	277,426	195,753	346,968
1943	363,405	236,207	131,031	83,479
1944	368,040	272,799	100,035	131,833
1945	371,130	332,693	121,831	169,734
1946	375,765	362,671	208,480	194,415
1947	393,125	373,375	212,160	150,513
1948	405,408	382,248	246,537	169,464
1949	461,076	444,196	324,680	128,237
1950 - 1953				101,176

(Included in Canadian Totals as noted below)

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 49.

Principal Newsprint Producers Overseas

FINLAND			NORWAY		SWEDEN		SCANDINAVIA		BRITAIN		
Tons	Production	Exports	Production	Exports	Production	Exports	Production	Exports	Tons	Production	Exports
1929	219,198	200,100	203,976	186,065	281,781	218,621	704,955	604,786	1929	637,000	107,672
1930	228,577	206,130	202,510	186,851	244,972	188,803	676,059	581,784	1930	607,992	88,878
1931	232,984	209,324	108,412	95,111	268,737	199,574	610,133	504,009	1931	719,040	66,340
1932	223,784	211,550	199,268	174,047	261,209	202,908	684,261	588,505	1932	789,992	94,028
1933	263,895	243,925	166,820	148,694	270,125	201,329	700,840	593,948	1933	830,032	88,882
1934	294,739	279,171	154,410	135,531	277,861	207,365	727,010	622,067	1934	940,016	66,406
1935	320,923	295,973	192,485	170,162	301,756	229,689	815,164	695,824	1935	970,032	78,884
1936	402,016	364,964	188,131	174,668	288,615	197,483	878,762	737,115	1936	1,003,968	86,423
1937	448,829	418,745	225,832	198,886	309,965	221,103	984,626	838,734	1937	1,032,976	63,497
1938	458,493	390,374	199,513	166,637	288,615	176,304	946,621	733,315	1938	953,999	65,036
1939	550,363	432,589	221,562	188,330	306,127	199,210	1,078,052	820,129	1939	848,002	41,731
1940	94,554	62,346	68,207	46,250	139,746	51,389	302,507	159,985	1940	332,640	7,939
1941	63,728	54,113	42,193	24,622	108,415	11,912	214,336	90,647	1941	168,000	248
1942	89,109	67,154	37,082	21,522	187,523	76,956	313,714	165,632	1942	156,464	78
1943	128,155	109,500	35,300	24,047	187,374	64,382	350,829	197,929	1943	144,892	296
1944	93,216	50,800	28,757	13,589	216,031	77,654	338,004	142,043	1944	169,179	688
1945	122,735	100,735	59,874	41,083	228,725	85,619	411,334	227,437	1945	181,037	3,702
1946	263,072	236,225	121,680	96,175	289,070	138,039	673,820	470,439	1946	330,176	17,208
1947	297,065	273,365	125,302	100,070	298,621	167,041	720,988	540,476	1947	282,240	3,233
1948	356,058	317,971	157,248	128,373	327,332	195,949	840,638	642,293	1948	335,630	22,213
1949	423,413	391,148	171,259	158,230	344,867	233,057	939,539	782,435	1949	329,135	67,758
1950	459,826	416,207	175,235	147,546	357,904	225,998	992,965	789,751	1950	609,280	114,271
1951	453,758	415,088	179,679	144,901	365,496	221,560	998,933	781,549	1951	590,100	106,685
1952	479,981	434,272	167,264	137,841	364,620	239,647	1,011,865	811,760	1952	601,290	82,494
1953	484,164	437,462	172,309	135,280	372,115	226,919	1,028,588	799,661	1953	675,242	139,305

Sources: Ticon; Scannews. Scandinavia covers total of Finland, Norway and Sweden.

Source: British Board of Trade.

Table 50.

Sources of U.S. Newsprint Supply

Tons	From: Canada & Newfoundland	U.S.A.	Europe	Total
1913	218,000	1,255,000	....	1,473,000
1914	275,000	1,269,000	3,000	1,547,000
1915	329,000	1,176,000	4,000	1,509,000
1916	438,000	1,251,000	1,000	1,690,000
1917	491,000	1,287,000	1,000	1,779,000
1918	602,000	1,150,000	0	1,752,000
1919	628,000	1,264,000	0	1,892,000
1920	679,306	1,465,739	50,561	2,195,606
1921	656,660	1,208,390	135,320	2,000,370
1922	896,311	1,421,924	132,957	2,451,192
1923	1,108,466	1,468,643	200,377	2,777,486
1924	1,200,803	1,464,265	156,430	2,821,498
1925	1,315,404	1,507,580	133,021	2,956,005
1926	1,750,749	1,664,960	99,926	3,515,635
1927	1,865,003	1,473,166	122,062	3,460,231
1928	2,040,920	1,406,182	116,246	3,563,348
1929	2,326,502	1,373,581	96,198	3,796,281
1930	2,145,471	1,272,168	134,180	3,551,819
1931	1,915,838	1,147,783	151,068	3,214,689
1932	1,647,216	1,000,124	144,921	2,792,261
1933	1,715,331	949,730	153,203	2,818,264
1934	2,113,767	962,318	147,060	3,223,145
1935	2,122,099	910,895	197,085	3,230,079
1936	2,550,925	911,488	242,352	3,704,765
1937	3,044,731	940,089	293,953	4,278,773
1938	1,940,303	816,295	243,065	2,999,663
1939	2,281,460	942,240	310,216	3,533,916
1940	2,741,363	998,378	33,850	3,773,591
1941	2,987,235	995,448	2,865	3,985,548
1942	3,006,592	932,931	1,527	3,941,050
1943	2,680,790	788,932	0	3,469,722
1944	2,529,693	708,815	0	3,238,508
1945	2,665,947	707,433	0	3,373,380
1946	3,563,124	753,631	13,480	4,330,235
1947	3,897,300	824,020	128,936	4,850,256
1948	4,127,970	857,540	267,434	5,252,944
1949	4,380,250	883,657	254,749	5,518,656
1950	4,748,228	1,002,125	171,033	5,921,386
1951	4,783,549	1,107,552	206,319	6,097,420
1952	4,835,065	1,075,450	182,708	6,093,313
1953	4,861,372	1,057,228	164,097	6,082,757

Sources: Figures for 1913-32 are compiled from U.S. Dept. of Commerce reports of shipments taken; those for 1933 to date from NAC reports of mill shipments. The two are not strictly comparable due to the time lag between shipments and arrivals.

Table 51.

U.S. Newsprint Consumption and Stocks

	ANPA	Consumption † Percent	Total	Per Capita	Consumers' Stocks* ANPA	Total
1913	.....	.....	1,473,000	30.3	.....	.....
1914	.....	.....	1,547,000	31.2	.....	.....
1915	.....	.....	1,509,000	30.0	.....	.....
1916	.....	.....	1,690,000	33.2	.....	.....
1917	.....	.....	1,779,000	34.4	.....	.....
1918	.....	.....	1,752,000	33.5	.....	.....
1919	.....	.....	1,892,000	36.0	.....	.....
1920	.....	.....	2,197,000	41.3	.....	.....
1921	1,818,617	89.0	2,043,390	37.7	196,741	269,025
1922	2,048,852	84.0	2,439,110	44.3	211,325	281,107
1923	1,819,141	65.5	2,777,315	49.6	209,996	281,278
1924	1,679,620	59.0	2,846,814	49.9	199,979	255,962
1925	1,808,229	60.0	3,013,715	52.0	163,614	198,252
1926	2,028,779	59.5	3,409,713	58.1	228,832	304,174
1927	2,707,045	79.0	3,426,639	57.6	264,885	337,766
1928	2,761,475	77.0	3,586,331	59.5	247,552	314,783
1929	2,949,878	78.5	3,757,806	61.7	278,548	353,258
1930	2,735,428	76.0	3,599,247	58.5	256,472	305,830
1931	2,625,869	81.0	3,241,814	52.3	236,153	278,705
1932	2,265,741	80.0	2,832,176	45.4	196,443	238,790
1933	2,154,106	80.0	2,692,632	42.9	237,403	364,422
1934	2,485,824	80.0	3,107,280	49.2	323,453	480,287
1935	2,675,744	80.0	3,344,680	52.6	294,494	365,686
1936	2,953,557	80.0	3,691,946	57.7	305,385	378,505
1937	3,059,795	80.0	3,824,743	59.4	613,514	832,535
1938	2,737,815	80.0	3,422,269	52.7	315,027	409,929
1939	2,730,217	77.5	3,520,372	53.8	328,424	423,473
1940	2,855,952	76.5	3,751,331	56.5	356,472	465,733
1941	2,946,660	75.0	3,929,773	58.9	385,296	521,508
1942	2,834,940	74.3	3,815,532	56.6	479,349	645,492
1943	2,720,257	75.0	3,627,009	53.1	366,702	488,205
1944	2,351,096	72.5	3,242,891	46.9	342,280	483,822
1945	2,455,116	70.5	3,481,302	49.8	266,344	375,900
1946	3,136,276	73.0	4,296,268	60.8	292,806	409,867
1947	3,564,678	75.0	4,752,904	66.0	377,033	507,219
1948	4,009,829	78.0	5,140,806	70.1	458,145	619,357
1949	4,257,489	77.0	5,529,206	74.1	445,863	608,807
1950	4,541,760	76.5	5,936,941	78.3	424,960	593,252
1951	4,511,023	75.5	5,974,865	77.4	522,196	715,807
1952	4,551,238	76.0	5,988,471	76.3	611,909	820,649
1953	4,668,602	76.0	6,142,986	76.9	551,769	760,510

* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total consumption is obtained by extending ANPA consumption by this percentage. Total consumers' stocks are computed each month by taking stock at the beginning of the month plus supplies received in the month less total consumption in that month.

Source: Newsprint Association of Canada.

Table 52.

Consumption by Larger Newspapers

	Tons	
	1952	1953
CANADA		
Hamilton Spectator	8,000	8,700
London Free Press	7,300	7,300
Montreal Star & Herald	19,400	19,500
Ottawa Journal	5,000	4,600
Toronto Daily Star & Star Weekly	70,000	70,000
Toronto Globe & Mail	18,900	18,000
Toronto Evening Telegram	20,000	25,000
Vancouver Province	10,000	13,000
Winnipeg Free Press	13,500	14,000
UNITED STATES		
Boston Post	25,000	20,000
Buffalo News	33,000	34,000
Chicago News	47,000	49,463
Chicago Sun-Times	60,000	55,134
Chicago Tribune	203,000	206,000
Cleveland Plain Dealer	66,000	60,000
Des Moines Register & Tribune	37,000	37,000
Detroit Free Press	40,000	40,000
Detroit News	73,500	78,000
Houston Chronicle	29,000	30,000
Los Angeles Times	125,000	130,000
Louisville Courier-Journal & Times	43,979	51,512
Miami Herald	35,000	39,500
Milwaukee Journal	70,000	75,500
New York News	—	255,000
Toledo Blade & Times	29,350	29,000
Wall Street Journal	4,400	5,000
Washington Star	38,000	41,000

Source: Editor & Publisher Annual Mechanical Tabulation.

Table 53.

North American Newsprint Stocks*

Tons	Manufacturers		Consumers	TOTAL
	Canada & Newfoundland	United States	United States	
1921	72,339	23,934	269,025	365,298
1922	54,272	19,208	281,107	354,587
1923	70,944	23,669	281,278	375,891
1924	72,783	23,757	255,962	352,502
1925	104,184	16,238	198,252	318,674
1926	92,643	12,030	304,174	408,847
1927	102,441	20,877	337,766	461,084
1928	110,368	34,469	314,783	459,620
1929	118,193	19,023	353,258	490,474
1930	160,128	32,061	305,830	498,019
1931	188,727	32,709	278,705	500,141
1932	195,631	21,783	238,790	456,204
1933	154,279	19,237	364,422	537,938
1934	152,235	14,125	480,287	646,647
1935	185,489	9,281	365,686	560,456
1936	129,443	14,013	378,505	521,961
1937	95,521	15,105	832,535	943,161
1938	208,181	18,583	409,929	636,693
1939	258,012	12,952	423,473	694,437
1940	224,139	13,455	465,733	703,327
1941	193,171	7,586	521,508	722,265
1942	158,832	9,601	645,492	813,925
1943	104,558	10,992	488,205	603,755
1944	97,728	7,357	483,822	588,907
1945	136,721	6,340	375,900	518,961
1946	146,524	15,218	409,867	571,609
1947	93,405	8,301	507,219	608,925
1948	109,195	8,946	619,357	737,498
1949	121,190	10,814	608,807	740,811
1950	89,142	8,241	593,252	690,635
1951	101,910	7,568	715,807	825,285
1952	122,512	11,726	820,649	954,887
1953	111,244	8,026	760,510	879,780

* End of each year.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 54.

U.S. Newspaper Circulation

Million copies; as at Sept. 30 of each year				
Year	Morning	Evening	Total Daily	Sunday
1920	...	...	27.8	17.1
1921	...	...	28.4	19.0
1922	...	...	29.6	19.7
1923	...	...	31.4	21.5
1924	...	...	33.0	22.2
1925	...	...	33.7	23.4
1926	...	...	36.0	24.4
1927	...	...	38.0	25.5
1928	...	...	38.0	25.8
1929	...	...	39.4	26.9
1930	...	...	39.6	26.4
1931	...	...	38.8	25.7
1932	13.7	22.7	36.4	24.9
1933	13.2	22.0	35.2	24.0
1934	13.9	22.8	36.7	26.5
1935	14.4	23.7	38.2	28.1
1936	15.3	25.0	40.3	30.0
1937	15.9	25.5	41.4	31.0
1938	15.1	24.5	39.6	30.5
1939	15.5	24.2	39.7	31.5
1940	16.1	25.0	41.1	32.4
1941	16.5	25.6	42.1	33.4
1942	17.1	26.3	43.4	35.3
1943	17.1	27.3	44.4	37.3
1944	18.1	27.9	46.0	37.9
1945	19.2	29.1	48.4	39.9
1946	20.5	30.4	50.9	43.7
1947	20.8	30.9	51.7	45.1
1948	21.1	31.2	52.3	46.3
1949	21.0	31.8	52.8	46.4
1950	21.3	32.5	53.8	46.6
1951	21.2	32.8	54.0	46.3
1952	21.2	32.8	54.0	46.2
1953	21.4	33.1	54.5	45.9

Source: Editor & Publisher International Year Book.

Table 55.

U.S. Newspaper Milline Rates

Rate per agate line of advertising per million of circulation as at December 31st of each year				
Year	Morning	Evening	Sunday	
1923	\$2.70	\$3.33	\$2.27	
1924	2.71	3.32	2.29	
1925	2.66	3.39	2.32	
1926	2.57	3.35	2.33	
1927	2.52	3.29	2.29	
1928	2.52	3.40	2.30	
1929	2.55	3.38	2.33	
1930	2.52	3.45	2.36	
1931	2.57	3.54	2.39	
1932	2.57	3.72	2.46	
1933	2.66	3.87	2.51	
1934	2.58	3.75	2.26	
1935	2.58	3.71	2.12	
1936	2.58	3.72	2.16	
1937	2.50	3.65	2.15	
1938	2.57	3.73	2.13	
1939	2.45	3.72	2.15	
1940	2.37	3.59	2.11	
1941	2.31	3.55	2.07	
1942	2.23	3.48	1.99	
1943	2.25	3.45	1.89	
1944	2.29	3.16	2.01	
1945	2.24	3.24	2.02	
1946	2.28	3.38	2.02	
1947	2.39	3.59	2.13	
1948	2.49	3.68	2.22	
1949	2.56	3.66	2.27	
1950	2.65	3.83	2.41	
1951	2.80	4.06	2.54	
1952	2.97	4.23	2.68	
1953	3.01	4.29	2.75	

Source: Editor & Publisher International Year Book.

Table 56.

Indexes of U.S. Advertising

Monthly average, 1935-9=100					
Year	Magazines	Newspapers	Radio	Outdoor	*Combined
1935	81	95	69	78	83
1936	95	107	89	96	99
1937	114	108	107	110	110
1938	101	94	112	107	101
1939	108	96	123	109	107
1940	119	102	144	112	118
1941	128	103	162	124	127
1942	125	90	179	103	121
1943	163	114	213	99	152
1944	193	123	265	131	180
1945	217	132	289	168	198
1946	271	155	299	202	230
1947	315	210	296	264	268
1948	327	246	309	299	290
1949	314	284	292	296	299
1950	330	318	284	322	337
1951	361	312	271	338	405
1952	388	315	250	367	453
1953	420	357	249	399	511

Source: Printers' Ink; based on dollar expenditures.

* Including business papers and television since January and February 1949.

Table 57.

U.S. Newspaper Pages Printed

Annual Averages					
Year	Dailies	Sundays	Year	Dailies	Sundays
1920	23	79	1937	28	87
1921	23	80	1938	26	81
1922	25	89	1939	27	82
1923	27	97	1940	27	86
1924	28	103	1941	27	88
1925	29	109	1942	26	82
1926	30	111	1943	26	78
1927	30	107	1944	23	68
1928	30	104	1945	22	70
1929	32	104	1946	27	84
1930	29	91	1947	29	94
1931	27	82	1948	32	102
1932	24	72	1949	34	107
1933	24	70	1950	36	112
1934	26	78	1951	36	113
1935	26	82	1952	36	116
1936	28	85	1953	37	121

Source: Newsprint Service Bureau Bulletins.

Table 58.

U.S. Advertising Expenditures (All Media)
and National Income

Millions of Dollars			
Year	Advertising Expenditure	National Income	Percent Advertising to Income
1935	1,690.0	56,800	2.97
1936	1,902.4	64,700	2.94
1937	2,071.7	73,600	2.81
1938	1,904.0	67,400	2.82
1939	1,980.4	72,500	2.73
1940	2,087.6	81,300	2.57
1941	2,235.7	103,800	2.15
1942	2,156.1	137,100	1.57
1943	2,496.4	169,700	1.47
1944	2,723.6	183,800	1.48
1945	2,874.5	182,700	1.57
1946	3,364.2	180,300	1.87
1947	4,259.7	198,700	2.14
1948	4,863.6	223,500	2.18
1949	5,202.2	216,300	2.41
1950	5,710.0	240,600	2.37
1951	6,496.5	278,400	2.33
1952	7,149.7	291,600	2.45
1953 est.	7,803.2	307,700	2.54

Source: Printers' Ink; U.S. Department of Commerce.

Table 59.

U.S. Newspaper Advertising and
Total Advertising Expenditures

Millions of Dollars			
Year	Newspaper Advertising	Total Advertising	Newspaper Percent of Total
1935	762.1	1690.0	45.1
1936	843.5	1902.4	44.3
1937	872.6	2071.7	42.1
1938	782.4	1904.0	41.1
1939	793.0	1980.4	40.0
1940	815.4	2087.6	39.1
1941	844.4	2235.7	37.8
1942	797.5	2156.1	37.0
1943	899.9	2496.4	36.0
1944	888.0	2723.6	32.6
1945	921.4	2874.5	32.1
1946	1158.3	3364.2	34.4
1947	1475.0	4259.7	34.6
1948	1749.6	4863.6	36.0
1949	1905.0	5202.2	36.6
1950	2075.6	5710.0	36.3
1951	2257.7	6426.1	35.1
1952	2472.8	7149.7	34.6
1953 est.	2655.5	7803.2	34.0

Source: Printers' Ink.

Table 60.

U.S. Newspaper, Magazine, Radio, and TV Advertising

	Newspapers Million Lines	Magazines Thousand Lines	Radio Thousand Dollars	National TV Thousand Dollars
1928	1802	36,384	10,248	.....
1929	1897	40,608	18,732	.....
1930	1654	35,808	26,820	.....
1931	1465	28,908	35,784	.....
1932	1165	21,162	39,107	.....
1933	1065	18,666	31,516	.....
1934	1179	24,325	42,648	.....
1935	1247	25,380	49,284	.....
1936	1380	28,534	59,356	.....
1937	1410	32,049	69,249	.....
1938	1225	25,439	71,728	.....
1939	1244	25,616	83,115	.....
1940	1269	26,851	96,468	.....
1941	1313	27,667	106,141	.....
1942	1242	25,729	115,405	.....
1943	1396	33,116	152,644	.....
1944	1361	42,297	190,665	.....
1945	1392	49,035	190,746	.....
1946	1730	54,755	193,008	.....
1947	2009	50,794	190,930	.....
1948	2263	47,844	198,993	.....
1949	2302	43,817	187,800	12,294
1950	2440	45,845	183,520	40,613
1951	2478	48,076	174,719	127,990
1952	2505	48,331	163,454	180,795
1953	2611	50,517	160,535	227,586

Sources: Newspapers: Media Records 52 Cities. Magazines: Printers' Ink. Radio and TV: Publishers Information Bureau.

Table 61. Value of Canadian Newsprint and
Total Pulp and Paper Production

Millions of Dollars			
Year	Newsprint Production	Total Production	Newsprint Percent of Total
1928	144.1	233.1	61.8
1929	150.8	244.0	61.8
1930	136.2	216.0	63.1
1931	111.4	174.7	63.8
1932	85.5	135.6	63.1
1933	67.0	123.4	54.3
1934	86.8	152.6	56.9
1935	91.8	159.3	57.6
1936	105.2	183.6	57.3
1937	126.4	226.2	55.9
1938	107.1	183.9	58.2
1939	120.9	208.2	58.1
1940	158.4	298.0	53.2
1941	158.9	334.7	47.5
1942	147.1	336.7	43.7
1943	153.0	344.4	44.4
1944	165.7	369.8	44.8
1945	189.0	398.8	47.4
1946	280.8	527.8	53.2
1947	355.5	707.0	50.3
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9

Figures for 1928-1948 do not include Newfoundland.
Source: Dominion Bureau of Statistics.

Table 62.

U.S. Prices and Price Indexes

	Canadian Newsprint U.S. Dollars	Newsprint Index 1926 = 100	U.S. Dollars in Canada
1914	\$ 43.60	62.3	.9992
1915	41.78	59.7	1.0040
1916	51.78	74.0	1.0024
1917	63.78	91.1	1.0019
1918	64.30	91.9	1.0166
1919	79.40	113.4	1.0046
1920	112.60	160.9	1.1201
1921	111.35	159.1	1.1168
1922	76.80	109.7	1.0154
1923	81.80	116.9	1.0200
1924	79.30	113.3	1.0129
1925	76.80	109.7	1.0004
1926	70.00	100.0	1.0001
1927	70.00	100.0	1.0003
1928	67.50	96.4	1.0009
1929	62.00	88.6	1.0076
1930	62.00	88.6	1.0016
1931	57.00	81.4	1.0381
1932	48.33	69.0	1.1352
1933	41.25	58.9	1.0874
1934	40.00	57.1	.9900
1935	40.00	57.1	1.0051
1936	41.00	58.6	1.0006
1937	42.50	60.7	.9999
1938	50.00	71.4	1.0056
1939	50.00	71.4	1.0370
1940	50.00	71.4	1.1050
1941	50.00	71.4	1.1050
1942	50.00	71.4	1.1050
1943	54.66	78.1	1.1050
1944	58.00	82.9	1.1050
1945	60.25	86.1	1.1045
1946	72.25	103.2	1.0575
1947	88.50	126.4	1.0025
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0892
1951	111.00	158.6	1.0528
1952	121.00	172.9	.9789
1953	126.00	180.0	.9834

Source: Newsprint Prices: Annual Averages, Delivered at New York.
Exchange Rates: Federal Reserve System; Bank of Canada.

Table 63.

Newsprint and Total Canadian Exports to United States

Year	Millions of Dollars		Percent Newsprint of Total
	Newsprint Exports to U.S.	Total Exports to U.S.	
1910	1.2	104.2	1.2
1912	2.0	102.0	2.0
1914	9.8	163.4	6.0
1916	15.8	201.1	7.9
1918	30.7	417.2	7.4
1919	36.0	455.0	7.9
1920	46.8	464.0	10.0
1921	68.8	566.7	12.1
1922	59.9	310.7	19.3
1923	67.7	370.8	18.3
1924	87.3	443.2	19.7
1925	89.1	420.4	21.2
1926	106.8	465.2	22.9
1927	114.0	474.6	24.0
1928	123.5	492.5	25.1
1929	129.0	522.6	24.7
1930	115.3	395.7	29.1
1931	94.4	257.1	36.7
1932	72.0	162.6	44.3
1933	58.3	187.9	31.0
1934	68.1	301.2	22.6
1935	71.0	358.6	19.8
1936	83.5	406.7	20.5
1937	105.9	470.2	22.5
1938	85.6	270.5	31.6
1939	97.8	380.4	25.7
1940	120.6	443.0	27.2
1941	130.9	599.7	21.8
1942	132.4	885.5	15.0
1943	131.4	1,149.2	11.4
1944	135.2	1,301.3	10.4
1945	148.4	1,197.0	12.4
1946	225.6	887.9	25.4
1947	293.5	1,034.2	28.4
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	500.5	2,297.7	21.8
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3

For the period 1910 to 1925 inclusive figures relate to fiscal years.
Figures for 1928-1948 do not include Newfoundland.
Source: Dominion Bureau of Statistics.

"E" — OTHER PAPER AND PAPERBOARD

All figures after 1948 include Newfoundland

Table 64. Production — Tonnage
All grades except newsprint

	Paper- board (a)	Wrapping	Book and Writing	Tissue	All Other
1920	158,041	77,292	73,196	3,607	27,119
1921	89,120	52,898	53,530	3,879	14,406
1922	113,200	81,793	64,808	5,758	19,892
1923	130,582	84,912	76,789	4,980	40,499
1924	135,252	89,441	67,934	5,716	32,317
1925	144,646	91,417	74,724	7,200	30,195
1926	155,469	97,057	80,405	7,401	36,605
1927	161,497	102,707	75,072	8,849	37,736
1928	193,061	111,667	79,138	10,896	40,044
1929	250,061	91,374	73,502	9,796	47,085
1930	233,217	78,320	69,468	11,245	36,585
1931	202,854	77,194	59,580	11,560	32,985
1932	209,938	69,018	56,781	12,187	23,658
1933	232,190	67,780	60,683	12,351	24,471
1934	280,724	79,779	64,991	10,258	28,791
1935	314,849	82,517	70,350	18,107	29,629
1936	363,778	95,916	74,940	18,661	28,029
1937	422,710	108,734	84,168	23,747	32,116
1938	356,891	90,879	73,834	25,922	32,919
1939	413,687	109,907	90,135	29,706	30,470
1940	500,094	139,716	102,696	34,054	39,053
1941	649,840	162,581	117,444	35,725	39,453
1942	609,175	165,991	121,419	38,322	39,680
1943	568,101	145,545	122,174	43,247	40,835
1944	588,348	156,721	155,498	46,532	57,494
1945	595,131	162,175	162,198	50,418	65,621
1946	683,643	175,369	189,318	56,717	79,913
1947	744,377	188,742	210,762	67,506	89,431
1948	817,432	207,128	231,608	69,686	97,456
1949	797,023	195,585	199,317	68,340	92,498
1950	876,894	222,840	214,097	76,742	102,474
1951	960,493	257,332	253,081	89,583	103,667
1952	870,204	222,529	229,061	79,974	93,002
1953	739,377e†	238,147e	250,332e	n.a.	n.a.

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

† This figure does not include grades listed in footnote (a).

Source: Dominion Bureau of Statistics.

Table 65. Production — Value
All grades except newsprint

	Paperboard (a)	Wrapping	Book and Writing	Tissue	All Other
1920	\$12,904,662	\$12,161,303	\$21,868,807	\$1,155,324	\$3,067,400
1921	6,225,948	6,634,211	12,550,520	1,232,398	1,126,260
1922	7,000,081	8,219,841	12,560,504	1,154,772	1,353,553
1923	8,480,233	7,666,174	15,582,135	991,880	3,250,608
1924	8,228,760	8,027,918	12,605,623	1,024,967	3,155,326
1925	8,378,621	8,130,102	13,145,407	1,385,089	2,852,815
1926	8,825,804	8,552,400	14,765,725	1,468,004	3,505,348
1927	8,985,788	9,607,828	12,916,469	1,646,487	2,787,439
1928	10,656,200	10,424,217	14,008,406	2,047,206	3,022,744
1929	13,539,645	9,725,876	13,636,562	1,845,395	3,441,617
1930	12,193,829	7,880,224	12,261,659	2,035,325	2,752,954
1931	10,225,732	7,479,993	10,154,171	1,990,925	2,359,431
1932	9,621,041	6,289,293	8,687,895	1,961,468	1,773,574
1933	10,598,439	6,441,695	8,927,408	2,168,497	1,594,335
1934	13,351,475	7,740,823	9,681,536	1,654,534	1,652,397
1935	15,051,893	7,956,783	10,440,789	2,031,221	1,835,499
1936	17,531,451	8,761,356	10,866,346	2,085,489	1,895,491
1937	21,719,730	10,237,823	12,620,507	2,734,307	2,148,753
1938	19,288,172	9,069,298	11,098,901	2,961,482	2,181,010
1939	21,359,828	10,712,394	12,773,781	3,060,456	2,011,020
1940	31,078,759	14,457,299	15,518,667	3,709,952	2,624,821
1941	40,214,658	16,744,806	18,476,397	4,199,139	2,889,982
1942	38,641,867	17,221,769	19,181,665	5,036,489	3,113,613
1943	37,528,237	15,614,453	19,047,039	5,637,142	3,246,393
1944	39,091,667	16,699,663	23,700,310	6,391,770	4,007,266
1945	40,100,872	17,558,552	24,468,409	7,065,732	4,620,313
1946	50,213,833	20,797,070	29,995,156	9,015,540	6,123,181
1947	66,126,302	26,009,996	39,727,187	12,179,656	7,517,467
1948	80,864,700	31,036,805	45,178,968	13,927,917	9,238,734
1949	80,632,075	30,033,478	40,598,820	13,950,007	8,269,115
1950	92,531,711	37,776,291	47,356,410	15,885,792	9,635,415
1951	113,469,950	49,664,005	63,790,259	21,574,730	11,169,512
1952	105,885,607	45,356,720	57,644,636	18,620,728	10,081,457

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.

Source: Dominion Bureau of Statistics.

Table 66.
Production of Building Boards and Building Papers

	Building Boards (a)		Building Papers (b)	
	Tons	\$	Tons	\$
1921	23,542	1,437,740	14,406	1,126,260
1922	31,176	1,580,496	19,892	1,353,553
1923	46,401	2,601,533	32,797	2,315,688
1924	49,577	2,787,633	25,178	2,102,292
1925	42,599	2,213,490	23,800	2,051,873
1926	45,694	2,378,861	28,049	2,094,073
1927	43,331	2,269,956	33,817	2,151,413
1928	46,569	2,406,554	34,040	2,265,404
1929	53,829	2,687,387	32,560	2,016,057
1930	48,718	2,723,436	26,746	1,588,228
1931	43,328	2,345,093	28,946	1,519,020
1932	28,035	1,410,426	16,095	807,762
1933	23,050	1,131,872	15,227	775,785
1934	28,920	1,391,812	22,467	1,104,172
1935	34,424	1,620,583	21,752	1,159,249
1936	44,838	2,114,207	23,403	1,284,168
1937	51,934	2,567,715	26,962	1,400,496
1938	46,203	2,359,366	25,659	1,309,290
1939	56,649	2,862,506	29,970	1,497,603
1940	83,356	5,086,688	35,720	1,913,899
1941	108,585	6,767,709	42,018	2,375,261
1942	109,961	6,750,198	43,472	2,523,060
1943	116,834	7,845,612	44,637	2,610,790
1944	111,554	7,682,631	50,879	3,017,412
1945	119,391	8,440,191	58,199	3,459,384
1946	138,425	10,459,532	71,081	4,684,693
1947	164,374	14,039,205	79,858	5,703,911
1948	194,067	18,255,528	88,454	7,368,976
1949	182,631	16,703,056	83,471	6,320,791
1950	177,769	16,518,747	92,414	7,228,146
1951	218,554	21,663,558	91,527	7,889,667
1952	200,011	21,040,985	81,666	6,871,543

(a) Includes woodpulp board used in paper converting plants to produce laminated wallboards.

(b) Figures for years prior to 1936 include some saturated felts and sheathings.

Source: Dominion Bureau of Statistics.

Table 67.

Exports of Paper (Except Newsprint) — Volume

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and in the succeeding table.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in tables 64 and 65.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basis rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the succeeding table under the heading "Paper Products".

Tons	1953	1952	1951	1950	1949	1948	1947	1946	1945
Wrapping — Coated	149	944	1,266	292	1,469	3,095	2,659	2,259	.....
Wrapping — Kraft — n.o.p.	10,227	10,622	12,366	7,535	8,530	11,215	12,960	14,270	22,113
Wrapping — n.o.p.	788	2,369	3,019	1,903	3,423	7,283	5,674	5,924	6,983
Book	28,401	28,772	27,438	17,261	13,438	36,882	37,291	24,676	17,124
Bond & Writing	7,077	10,130	7,347	2,149	3,347	5,036	9,655	6,175	4,184
Paperboard — n.o.p.	34,104	51,605	69,259	49,453	56,557	90,443	62,444	59,799	64,643
Roofing & Building Paper	3,811	1,755	6,662	2,420	1,785	5,341	11,018	4,146	3,366
Building & Insulating Board	18,752	19,328	21,738	7,021	11,968	15,852	20,209	14,294	17,914
Waste Paper — n.o.p.	30,890	21,693	27,081	28,971	17,356	15,185	10,451	10,421	11,260
Pulpboard for Wallboards	17,812	20,933	23,068	25,553	22,991	29,164	31,636	27,610	29,625
Tissue Paper	1,279	924	418	60	52	794	1,682	328	377
Toilet Paper	759	2,699	3,487	2,551	3,562	5,716	3,339	1,878	2,980
	154,049	171,774	203,149	145,169	144,478	226,006	209,018	171,780	180,569

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 68.

Exports of Paper (Except Newsprint) — Value

(See note accompanying the preceding table)

Paper	1953	1952	1951	1950	1949	1948	1947	1946	1945
Wrapping — Coated	\$ 56,641	\$ 308,135	\$ 485,843	\$ 78,637	\$ 361,797	\$ 719,362	\$ 621,087	\$ 428,117	.....
Wrapping — Kraft — n.o.p.	1,670,077	2,232,134	2,665,974	1,159,631	1,393,184	1,793,314	1,853,880	1,720,167	\$ 2,555,522
Wrapping — n.o.p.	149,558	636,867	577,155	276,891	555,329	1,097,622	920,379	941,112	1,215,050
Book	4,872,808	5,343,040	5,283,533	2,755,746	2,165,837	5,840,550	6,068,943	3,580,946	3,062,502
Bond & Writing	1,719,073	3,770,853	2,567,668	534,062	923,088	1,485,841	2,549,180	1,410,794	877,296
Paperboard — n.o.p.	3,426,320	6,990,766	9,410,511	5,231,195	5,907,085	9,887,003	6,940,775	5,622,884	5,397,180
Roofing & Building Paper	247,104	152,225	577,052	153,504	108,995	508,582	841,160	330,205	185,831
Building & Insulating Board	1,764,374	2,096,727	2,327,497	689,100	1,258,749	1,437,700	1,878,294	1,234,205	1,438,850
Waste paper — n.o.p.	997,737	936,118	2,154,913	1,396,735	518,798	569,879	287,614	264,338	255,590
Pulpboard for Wallboards	1,827,255	2,165,043	2,324,008	2,035,135	1,798,317	2,194,904	2,110,674	1,562,941	1,621,460
Tissue Paper	294,006	259,605	150,996	17,081	15,834	207,298	409,345	87,666	78,315
Toilet Paper	159,959	609,977	804,966	447,591	723,387	1,472,949	710,109	308,192	502,796
	\$17,183,912	\$25,501,490	\$29,330,116	\$14,775,308	\$15,730,400	\$27,215,004	\$25,191,440	\$17,491,567	\$17,190,392
Paper Products									
Bags, Boxes & Cartons	552,139	973,982	1,834,501	\$ 855,722	\$ 778,364	\$ 1,846,385	\$ 1,108,720	\$ 819,430	\$ 1,555,349
Hanging or Wall	730,895	1,005,842	1,081,319	1,014,588	723,927	595,496	769,625	687,149	459,566
Hanging not Printed	170,535	48,456	11,971	3,834	.....	15,999	47,429	70,080	.....
Writing Paper — n.o.p.	90,261	195,922	193,041	72,995	90,858	225,198	542,741	378,821	807,402
Other Paper	538,557	668,650	1,158,686	713,141	494,096	1,199,436	1,521,174	1,285,535	1,376,534
	\$ 2,082,387	\$ 2,892,852	\$ 4,279,518	\$ 2,660,280	\$ 2,087,245	\$ 3,882,514	\$ 3,989,689	\$ 3,241,015	\$ 4,198,851
	\$19,266,299	\$28,394,342	\$33,609,634	\$17,435,588	\$17,817,645	\$31,097,518	\$29,181,129	\$20,732,582	\$21,389,243

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

"F" — NATIONAL SIGNIFICANCE

All figures after 1948 include Newfoundland

Table 69.

Production and Exports of Paper

	Production		Exports	
	Tons	Value	Tons (a)	Value
1920	1,214,951	\$132,022,767	780,932	\$ 86,744,010
1921	1,018,947	106,553,935	733,549	75,510,945
1922	1,366,815	106,260,078	994,848	74,825,893
1923	1,589,303	127,184,370	1,778,743	93,770,957
1924	1,718,741	133,319,497	1,263,342	99,248,497
1925	1,884,705	140,160,675	1,442,296	106,624,046
1926	2,266,143	158,182,227	1,770,386	121,414,513
1927	2,468,691	168,230,740	1,918,866	129,637,687
1928	2,849,199	184,305,405	2,252,757	147,156,792
1929	3,197,149	192,989,252	2,563,859	154,919,122
1930	2,926,787	173,305,874	2,372,640	138,530,243
1931	2,611,225	143,629,889	2,042,151	111,114,042
1932	2,290,767	113,873,123	1,805,130	86,323,539
1933	2,419,420	96,689,875	1,871,191	72,396,132
1934	3,069,516	120,892,225	2,454,341	87,633,721
1935	3,280,896	125,752,650	2,617,579	94,041,591
1936	3,806,710	146,354,666	3,061,174	110,861,428
1937	4,345,361	175,885,423	3,532,269	136,164,168
1938	3,249,358	151,650,065	2,545,456	112,872,776
1939	3,600,302	170,776,062	2,795,876	124,127,164
1940	4,319,414	225,836,809	3,489,946	170,879,526
1941	4,524,776	241,450,292	3,587,181	176,184,025
1942	4,231,767	230,269,512	3,241,941	156,938,084
1943	3,966,344	234,036,152	2,983,882	160,825,462
1944	4,044,376	255,545,841	3,012,975	177,290,282
1945	4,359,576	282,837,614	3,285,611	203,011,992
1946	5,347,118	396,956,390	4,045,795	287,437,805
1947	5,775,082	507,101,277	4,452,090	373,070,338
1948	6,063,646	582,346,842	4,587,501	416,681,608
1949	6,539,969	641,459,838	4,952,283	459,039,871
1950	6,812,035	710,153,826	5,118,417	505,314,242
1951	7,225,271	824,029,649	5,359,303	574,106,206
1952	7,201,800	838,105,108	5,526,127	622,136,313
1953	7,235,842e	n.a.	5,541,197	639,079,083

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 67). The value figures, however, cover all exports of paper and paper products.

c: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 70.

Imports of Wood-pulp and Paper and Paper Goods

	Wood-pulp		Paper and Paper Goods (a)	
	Tons	Value	Tons	Value
1915	a	\$ 423,331	a	\$ 2,402,507
1916	a	552,002	a	3,321,569
1917	a	587,369	a	4,204,968
1918	a	470,516	a	8,480,498
1919	a	609,804	a	9,246,414
1920	21,142	1,940,461	21,142	14,059,046
1921	20,196	2,063,870	20,196	8,395,267
1922	17,576	1,032,528	17,576	8,295,094
1923	18,401	980,687	18,401	9,112,896
1924	24,496	1,375,991	24,496	9,327,942
1925	23,423	1,274,542	23,423	9,142,177
1926	22,938	1,211,188	22,938	10,977,946
1927	23,677	1,258,533	23,677	11,618,558
1928	22,424	1,107,801	22,424	13,260,288
1929	19,874	1,024,569	19,874	14,739,472
1930	18,526	826,862	18,526	12,907,658
1931	14,418	592,904	14,418	9,585,986
1932	13,420	462,649	13,420	6,790,363
1933	5,708	177,289	5,708	5,345,603
1934	8,205	257,782	8,205	5,503,081
1935	16,378	534,358	16,378	5,828,073
1936	19,201	617,599	19,201	6,706,408
1937	21,054	695,819	21,054	7,981,545
1938	16,979	561,474	16,979	7,520,328
1939	21,544	763,141	21,544	8,653,987
1940	19,996	814,387	19,996	8,858,180
1941	20,653	1,069,953	20,653	9,341,390
1942	21,450	1,298,521	21,450	10,675,315
1943	21,662	1,452,133	21,662	10,701,736
1944	13,747	1,100,412	13,747	12,156,601
1945	14,510	1,166,078	14,510	13,376,067
1946	14,471	1,290,956	14,471	18,834,089
1947	28,326	3,068,086	28,326	23,027,200
1948	33,004	3,799,597	33,004	17,212,565
1949	35,432	3,963,086	35,432	20,207,068
1950	36,583	3,692,274	36,583	23,433,530
1951	36,416	4,546,204	36,416	34,831,145
1952	37,332	5,499,093	37,332	29,920,960
1953	43,384	5,099,802	43,384	39,208,074

a: Quantity not available.

Source: Dominion Bureau of Statistics.

Table 71.
Pulp and Paper Exports and Canadian Trade

	Pulp and paper Exports	Total domestic exports of Canada	Pulp and paper exports to total exports — %	Trade Balance
1919 . . .	\$ 97,168,278	\$1,235,958,483	7.86	\$348,778,322
1920 . . .	163,127,988	1,268,014,533	12.86	38,758,816
1921 . . .	108,644,620	800,149,296	13.58	14,665,274
1922 . . .	115,863,742	880,408,645	13.16	131,814,604
1923 . . .	140,798,453	1,002,401,467	14.05	112,955,801
1924 . . .	139,491,469	1,029,699,449	13.55	234,108,594
1925 . . .	154,555,951	1,239,554,207	12.47	361,472,800
1926 . . .	173,491,635	1,261,241,525	13.76	268,236,906
1927 . . .	176,635,728	1,210,596,998	14.59	145,924,299
1928 . . .	192,771,615	1,339,409,562	14.39	141,470,440
1929 . . .	198,287,106	1,152,416,350	17.21	120,650,245
1930 . . .	177,590,222	863,683,761	20.56	125,331,731
1931 . . .	141,170,685	587,653,440	24.02	28,537,926
1932 . . .	105,253,603	489,883,112	21.48	45,299,340
1933 . . .	95,750,769	529,449,529	18.09	134,269,478
1934 . . .	113,078,565	649,314,236	17.42	142,836,731
1935 . . .	121,667,321	724,977,459	16.78	187,621,328
1936 . . .	142,108,123	937,824,933	15.15	315,318,408
1937 . . .	177,979,899	997,366,918	17.84	203,225,455
1938 . . .	140,603,514	837,583,917	16.79	171,232,779
1939 . . .	155,127,766	924,926,104	16.77	184,866,179
1940 . . .	231,809,675	1,178,954,420	19.66	111,266,873
1941 . . .	262,081,761	1,621,003,175	16.17	191,662,891
1942 . . .	253,104,957	2,363,773,296	10.71	741,224,113
1943 . . .	260,838,237	2,971,475,277	8.78	1,266,275,389
1944 . . .	278,853,306	3,439,953,165	8.11	1,724,200,415
1945 . . .	309,066,903	3,218,330,353	9.60	1,681,649,146
1946 . . .	401,458,464	2,312,215,301	17.36	411,886,445
1947 . . .	550,872,950	2,774,902,355	19.85	237,846,285
1948 . . .	628,245,992	3,075,438,085	20.43	473,083,316
1949 . . .	630,544,034	2,998,356,417	21.03	254,085,902
1950 . . .	713,869,791	3,118,386,551	22.89	17,180,465
1951 . . .	939,239,090	3,914,460,376	23.99	170,396,102
1952 . . .	913,999,811	4,301,080,679	21.25	270,613,026
1953 . . .	887,751,816	4,117,405,882	21.56	265,424,548

—: Unfavourable balance.

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports.

Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 72.
Products of Newfoundland's Pulp and Paper Mills
(Finished products for sale)

Calendar Year	Newsprint & Sideruns Tons	Sulphite Pulp Tons	Mechanical Pulp Tons	Sundries* Tons	Total Production Tons
1938 . . .	268,625	885	—	323	269,833
1939 . . .	308,530	5,975	—	326	314,831
1940 . . .	361,703	26,647	6,432	361	395,143
1941 . . .	360,930	44,470	14,806	657	420,863
1942 . . .	283,358	62,970	29,025	1,386	376,739
1943 . . .	239,882	47,007	38,502	4,393	329,784
1944 . . .	278,159	27,005	44,161	7,404	356,729
1945 . . .	344,573	37,014	14,237	4,337	400,161
1946 . . .	374,993	17,952	—	4,528	397,473
1947 . . .	387,097	43,020	468	4,144	434,729
1948 . . .	397,983	54,899	3,228	3,867	459,977

* Includes mill wrappers, sheathing paper, sulphite wrapping for local use.

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals.

Source: Newfoundland Department of Natural Resources.

Table 73.
Production by Provinces 1952

Provinces	Pulpwood Cords *	Woodpulp Tons	Paper Tons
Quebec	6,583,065	4,192,047	3,515,193
Ontario	3,603,839	2,308,722	1,963,403
British Columbia	929,959	914,634	540,140
Other Provinces (a)	2,985,807	1,552,606	1,183,064
Canada	14,102,670	8,968,009	7,201,800

a: Newfoundland, Nova Scotia, New Brunswick and Manitoba.

* Rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 74.
Principal Statistics by Provinces 1952

Provinces	Mills	Employees (a)	Salaries and Wages (a)	Cost of Fuel and Electricity	Cost of Materials Used	Gross Value of Products	Net Value of Products
	No.	No.	\$	\$	\$	\$	\$
Newfoundland	3	3,538	14,420,551	2,576,482	23,876,477	62,812,294	36,359,335
Nova Scotia	4	1,156	3,919,568	1,385,569	7,171,960	19,739,891	11,182,362
New Brunswick	7	3,759	14,785,530	6,609,227	40,125,924	86,515,912	39,780,761
Quebec	55	23,928	92,618,338	38,845,196	224,571,652	508,123,821	244,706,973
Ontario	44	18,883	72,579,783	19,672,821	148,362,270	342,612,966	174,577,875
Manitoba	3	491	1,823,926	960,245	3,974,316	12,792,741	7,858,180
British Columbia	12	6,048	25,205,631	6,690,217	48,964,229	125,290,032	69,635,586
Canada	128	57,803	225,353,327	76,739,757	497,046,828	1,157,887,657	584,101,072

(a) Woods workers not included.

(b) See foot-note in Table 77.

Source: Dominion Bureau of Statistics.

Table 75.
Exports of Canadian Products to the United States

	1951	%	1952	%	1953	%
Pulp	\$ 276,760,578	12.1	\$ 225,082,376	9.8	\$ 202,247,663	8.4
Newsprint*	500,525,110	21.8	536,145,130	23.2	565,151,240	23.3
Other paper and paper products	17,059,334	.7	13,172,538	.6	13,305,205	.6
	\$ 794,345,022	34.6	\$ 774,400,044	33.6	\$ 780,704,108	32.3
Wood, wood products and paper	\$1,114,581,439	48.5	\$1,081,016,011	46.9	\$1,091,450,118	45.1
Animals and animal products	265,527,696	11.6	147,965,965	6.4	179,372,203	7.4
Non-ferrous metals and their products	278,008,661	12.1	349,650,360	15.1	408,521,138	16.9
Agricultural and vegetable products	263,442,560	11.5	301,306,862	13.1	271,297,585	11.2
Iron and its products	169,187,778	7.4	172,701,418	7.5	182,871,874	7.6
Non-metallic minerals and their products	89,925,676	3.9	96,640,362	4.2	107,009,193	4.4
Chemicals and allied products	67,253,116	2.9	75,107,037	3.2	84,598,653	3.5
Fibres, textiles and textile products	19,588,473	.8	17,441,531	.8	14,889,618	.6
Miscellaneous commodities	30,159,195	1.3	65,125,392	2.8	78,904,401	3.3
Total, excluding gold	\$2,297,674,594	100.	\$2,306,954,938	100.	\$2,418,914,783	100.

* Includes mutilated newsprint valued at \$3,672,913 in 1951, \$1,772,271 in 1952, and \$777,243 in 1953.

Source: Dominion Bureau of Statistics.

Table 76.
Pulp and Paper Production and the National Income

	Gross Production of Industry	Gross National Product † (a) '000,000	Net Production of Industry (b)	Net National Income † (a) '000,000
1926	\$ 215,370,274	\$ 5,294	\$109,580,404	\$ 4,185
1927	219,329,753	5,647	110,492,354	4,417
1928	233,077,236	6,105	120,039,858	4,823
1929	243,970,761	6,166	122,288,583	4,789
1930	215,970,761	5,546	107,959,927	4,283
1931	174,733,954	4,560	88,166,297	3,333
1932	135,648,729	3,767	67,121,459	2,630
1933	123,415,492	3,552	57,289,643	2,452
1934	152,647,756	4,034	77,696,593	2,897
1935	159,325,546	4,345	79,199,741	3,188
1936	183,632,995	4,701	86,406,163	3,487
1937	226,244,711	5,355	106,002,017	4,062
1938	183,897,503	5,233	89,034,186	4,018
1939	208,152,295	5,707	103,123,660	4,373
1940	298,034,843	6,872	158,230,575	5,263
1941	334,726,175	8,517	174,852,041	6,663
1942	336,697,277	10,539	164,500,420	8,337
1943	344,411,614	11,183	164,244,088	9,043
1944	369,846,086	11,954	174,492,103	9,826
1945	398,805,515	11,850	180,401,885	9,840
1946	527,814,916	12,026	258,164,578	9,821
1947	706,971,628	13,768	356,084,900	10,985
1948	825,857,664	15,613	412,770,470	12,560
1949	836,148,393	16,462	423,375,527	13,194
1950	954,137,651	18,205	511,142,983	14,550
1951	1,237,897,470	21,513	679,257,743	17,180
1952	1,157,887,657	23,212*	584,101,072	18,235*

* Preliminary figures.

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about \$175 million.

All National Income figures from 1926 have been compiled on a revised basis in December, 1951. Figures for years prior to 1926 are not comparable.

a: The "national income" is the total of all incomes earned by Canadians in the production of goods and services during the calendar year. The "gross national product" is the market value of all goods and services produced by Canadians. It is obtained by adding to the national income two items which are not "income" but which are part of the final cost of all goods and services—namely, allowances for depreciation of plant and equipment, and indirect taxes less subsidies.

b: The "net value of production" or value added by manufacture is computed by subtracting the cost of fuel and electricity as well as the cost of materials from the gross value of the products.

The figures for the years prior to 1926, when the National Income figures were compiled on a different basis and for which the gross National product figures are not available, were as follows:

	Gross Production of Industry	Net Production of Industry	National Income
1921	\$151,003,165	\$73,765,200	\$3,507
1922	158,950,956	81,258,232	3,671
1923	184,821,511	95,076,985	3,847
1924	179,259,504	89,629,253	3,865
1925	193,092,937	99,071,212	4,239

Source: Dominion Bureau of Statistics.

Table 77. Growth of Industry

	Paper and Paper Mills (a)	Total Employees	Total Production
1871	21	760	\$ 1,071,651
1881	41	1,588	2,509,993
1891	58	2,817	3,633,257
1901	53	6,236	8,627,557
1911	72	9,766	23,226,479
1921	100	24,619	151,003,165
1931	103	26,669	174,733,954
1941	106	37,154	334,726,175
1945	109	39,996	398,804,515
1946	113	44,967	527,814,916
1947	115	49,946	706,971,628
1948	117	51,924	825,857,664
1949	123	52,050	836,148,393
1950	123	52,343	954,137,651
1951	126	57,291	1,237,897,470
1952	128	57,803	1,157,887,657b

a: Number of mills operated during year.

b: Includes products other than pulp or paper valued at \$124,028.

Note: At the close of 1953 there were altogether 132 pulp and paper mills in Canada, which were active during all or part of the year. This total includes two asbestos paper mills which, for statistical purposes report in the Asbestos Products industry only.

Manufacturers of moulded pulp products and of laminated, coated or impregnated papers and paperboards are classed in the Paper Goods industry or in the Roofing Paper industry only, unless they produce the pulp or paper used, in which case separate returns are made covering pulp and paper manufacture and paper conversion.

Source: Dominion Bureau of Statistics.

Table 78. Operations of Mills

	No. of mills 1952
Groundwood, bleached	5
Groundwood, unbleached	76
Mechanical screenings	21
Soda pulp	1
Bleached sulphite (dissolving)	7
Bleached sulphite (paper pulp)	13
Unbleached sulphite (strong)	11
Unbleached sulphite (news grade)	31
Sulphite screenings	28
Sulphate pulp, bleached	7
Sulphate pulp, semi-bleached	4
Sulphate pulp, unbleached	13
Sulphite screenings	5
Semi-chemical pulp	3
Defibrated and exploded pulps	9
Newsprint	41
Groundwood printing and specialty papers	7
Book paper	11
Fine papers	12
Miscellaneous fine papers	11
Tissue paper other than sanitary	12
Sanitary paper	9
Special industrial papers	20
Wrapping papers	13
Building papers	37
Paperboard	3
Building boards	9
Wet machine boards	3

Note: Most mills make two or more products. There were in all 128 active mills in 1952. (See foot-note in Table 77)

Source: Dominion Bureau of Statistics.

Table 79. Mill Locations

	Pulp Mills	Pulp & Paper Mills	Paper Mills	Total
Newfoundland	1	2	—	3
Nova Scotia	2	2	—	4
New Brunswick	4	3	—	7
Quebec	12	33	10	55
Ontario	9	19	16	44
Manitoba	—	3	—	3
British Columbia	6	6	—	12
Canada	34	68	26	128

Note: See foot-note in Table 77.

Source: Dominion Bureau of Statistics.

Table 80. Capital Expenditures

For the years 1946 to 1953, annual surveys of the Department of Trade & Commerce, covering some 95 per cent of the industry, show the following capital expenditures:

Year	Millions of \$
1946	49.5
1947	77.7
1948	79.9
1949	71.8
1950	68.6
1951	111.2
1952	115.8
1953	110.7*
	685.2

* Preliminary.

The foregoing figures do not include capital expenditures made on the woodlands nor, of course, expenditures for maintenance and renewals.

Table 81.

Employees and Wages

	Total Employees	Employees On Salary	Total Salaries Paid	Average Salary	Employees On Wages	Wages Paid	Total Average Wage	Wage Index (a)	Consumer Price Index (b)	Total Salaries & Wages
1920	31,298	2,669	\$ 6,536,579	\$ 2,449	28,629	\$ 38,717,314	\$ 1,352	47.4	90.5	\$ 45,253,893
1921	24,611	2,353	6,363,304	2,704	22,258	27,835,786	1,251	43.9	80.9	34,199,090
1922	25,830	2,608	6,326,635	2,426	23,222	26,592,320	1,145	40.1	74.9	32,918,955
1923	29,234	2,820	7,069,196	2,507	26,414	31,313,649	1,185	41.5	75.2	38,382,845
1924	27,627	2,993	6,938,659	2,318	24,634	30,710,869	1,247	43.7	74.0	37,649,528
1925	28,031	2,971	6,816,191	2,294	25,060	31,744,714	1,267	44.4	74.6	38,560,905
1926	31,279	3,099	7,492,040	2,418	28,180	36,683,462	1,302	45.7	75.9	44,175,502
1927	32,876	3,174	8,093,830	2,550	29,702	37,580,463	1,265	44.4	74.6	45,674,293
1928	33,614	3,507	8,713,671	2,485	30,107	38,608,977	1,282	45.0	75.0	47,322,648
1929	34,202	3,738	9,391,901	2,513	30,464	40,822,544	1,340	47.0	75.8	50,214,445
1930	33,207	3,532	9,538,588	2,701	29,675	36,236,388	1,221	42.8	75.3	45,774,976
1931	26,669	3,170	7,858,839	2,479	23,499	26,933,174	1,146	40.2	67.9	34,792,013
1932	24,561	3,112	7,240,125	2,327	21,449	21,108,003	984	34.5	61.7	28,348,128
1933	24,037	2,920	6,464,510	2,214	21,117	20,193,032	956	33.5	58.8	26,657,542
1934	26,993	3,174	7,148,763	2,252	23,819	26,158,280	1,098	38.5	59.6	33,307,043
1935	27,836	3,290	7,827,961	2,379	24,546	28,065,352	1,143	40.1	59.9	35,893,313
1936	29,478	3,372	7,927,690	2,351	26,106	31,512,384	1,207	42.3	61.1	39,440,074
1937	33,205	4,044	9,561,449	2,364	29,161	39,196,346	1,344	47.1	63.0	48,757,795
1938	30,943	4,263	10,823,536	2,539	26,680	31,795,775	1,192	41.8	63.7	42,619,311
1939	31,016	4,382	10,875,243	2,482	26,634	33,862,136	1,271	44.6	63.2	44,737,379
1940	34,719	4,630	11,693,329	2,526	30,089	44,380,483	1,475	51.7	65.7	56,073,812
1941	37,154	4,970	12,924,964	2,601	32,184	50,752,854	1,577	55.3	69.6	63,677,818
1942	38,002	5,071	13,618,478	2,686	32,931	56,037,915	1,702	59.7	72.9	69,656,393
1943	37,020	5,384	14,663,655	2,724	31,636	56,535,767	1,787	62.7	74.2	71,199,422
1944	37,896	5,488	15,617,507	2,846	32,408	60,215,901	1,858	65.1	74.6	75,833,408
1945	39,996	5,981	16,766,154	2,803	34,015	63,696,490	1,873	65.7	75.0	80,462,644
1946	44,967	6,910	20,959,990	3,033	38,057	80,404,646	2,113	74.1	77.5	101,364,636
1947	49,946	7,706	26,286,577	3,411	42,240	103,191,418	2,443	85.7	84.8	129,477,995
1948	51,924	8,066	30,459,864	3,776	43,858	121,202,897	2,764	96.9	97.0	151,662,761
1949	52,050	8,243	32,784,295	3,977	43,807	124,919,573	2,852	100.0	100.0	157,703,868
1950	52,343	8,578	35,729,300	4,165	43,765	133,517,231	3,051	107.0	102.9	169,246,531
1951	57,291	9,413	44,126,918	4,688	47,878	169,042,988	3,531	123.8	113.7	213,169,906
1952	57,803	9,493	48,119,514	5,069	48,310	177,233,813	3,669	128.6	116.5	225,353,327

Woods labour not included.

a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.

b: Constructed to replace Cost of Living Index.

Source: Dominion Bureau of Statistics.

Table 82.

Capital, Employees and Wages

	Capital Employed	Number of Employees	Capital Employed per employee	Total Salaries and Wages
1920	\$ 347,553,333	31,298	\$11,105	\$ 45,253,893
1921	379,812,751	24,611	15,433	34,199,090
1922	381,006,324	25,830	14,751	32,918,955
1923	417,611,678	29,234	14,285	38,382,845
1924	459,457,696	27,627	16,631	37,649,528
1925	460,397,772	28,031	16,425	38,560,905
1926	501,184,714	31,279	16,023	44,175,502
1927	579,853,552	32,876	17,638	45,674,293
1928	685,687,459	33,614	20,399	47,322,648
1929	644,773,806	34,202	18,852	50,214,445
1930	703,937,104	33,207	21,198	45,774,976
1931	630,176,540	26,669	24,630	34,792,013
1932	597,550,013	24,561	24,329	28,348,128
1933	559,265,544	24,037	23,267	26,657,542
1934	554,973,891	26,993	20,560	33,307,043
1935	545,572,938	27,836	19,600	35,893,313
1936	536,073,034	29,478	18,186	39,440,074
1937	570,352,287	33,205	17,177	48,757,795
1938	594,908,222	30,943	19,226	42,619,311
1939	597,908,918	31,016	19,277	44,737,379
1940	642,979,942	34,719	18,520	56,073,812
1941	678,937,841	37,154	18,274	63,677,818
1942	655,598,196	38,002	17,251	69,656,393
1943	667,458,143	37,020	18,029	71,199,422
1946	1,100,000,000a	44,967	24,462a	101,364,636
1947	1,200,000,000a	49,946	24,026a	129,477,995
1948	1,300,000,000a	51,924	25,047a	151,662,761
1949	1,375,000,000a	52,050	26,416a	157,703,868
1950	1,440,000,000a	52,343	27,511a	169,246,531
1951	1,525,000,000a	57,291	26,618a	213,169,906
1952	1,625,000,000a	57,803	28,112a	225,353,327

Woods labour is not included.

a: 1943 was the last year in which the Dominion Bureau of Statistics compiled the figures on capital investment. The figures for 1946-52 are Canadian Pulp and Paper Association estimates. These may be conservative, for Taxation Statistics, 1951, of the Department of National Revenue, covering the 1950 taxation year, show that 74 pulp and paper companies had total assets of \$2,157,157,000. Current liabilities were \$322,894,000. On this basis, the capital employed in these 74 companies was \$1,834,263,000 in 1950. While the taxation statistics cover 74 pulp and paper companies, there are a few other companies not included in the statistics.

Source: Dominion Bureau of Statistics.

Table 83.

Estimated Wages Paid and Numbers
Employed in 1952

Wages

Mill Workers	\$225,353,327
Wood Workers*	143,346,000

Workers

		\$368,699,327
Seasonal woods workers on manufacturers' limits east of the Rockies		162,000
Permanent woods workers on manufacturers' limits east of the Rockies		4,800
Woods workers in B.C., mostly permanent		5,000
Woods workers cutting wood for sale to manufacturers		74,400
Mill Workers, permanent		246,200
		57,803
		304,003

* Includes an estimated \$34,633,000 to the 74,400 woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.

Table 84.
Growth in Employment and Wages

	1915	1952	% increase
Mill Workers	15,300	57,803	277.8
Wages and salaries paid : . .	\$11,000,000	\$225,353,327	1,948.7

The average wage paid mill workers in 1952 was \$3,669 while the average salary was \$5,069.

Source: Dominion Bureau of Statistics.

Table 85.
Domestic Trade 1952

	Pulp and Paper	Paper
Gross value of production	\$1,157,763,629	\$838,105,108
Exports	913,999,811	622,136,313
For domestic market	\$ 243,763,818	\$215,968,795
Per cent of production retained for domestic use	21.1	25.8

Source: Dominion Bureau of Statistics.

Table 86.
Principal Expenditures 1952

Transportation†	\$ 200,000,000
Chemicals & mill supplies*	96,885,602
Fuel*	47,181,642
Electricity*	29,558,115
Fibre and fibre stock*	14,162,402
Purchased pulpwood**	79,445,607
Foodst†	18,000,000
Fodder†	3,500,000
Taxes & other pay'ts to Gov'ts†	200,000,000
Wages, including woods workers**	368,699,327
	\$1,057,432,695

† Canadian Pulp and Paper Association Estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1952 totalled \$114,078,607 from which has been deducted \$34,633,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the \$368,699,327 shown as wages. See also Table 83.

Table 87.
Purchases of Mill Supplies 1952

Chemicals, minerals, size, glue, dyes, etc.	\$42,743,020
Pulp stones	731,615
Machine clothing (woollen felts)	12,630,947
Miscellaneous supplies	27,534,442
Mill wrapping and packing material	7,679,553
Wire mesh (fourdrinier & cylinder)	5,566,025
	\$96,885,602

Source: Dominion Bureau of Statistics.

Table 88.
Fuel Purchased 1952

Quebec	\$19,312,161
Ontario	13,159,795
British Columbia	5,956,159
Newfoundland, New Brunswick, Nova Scotia & Manitoba	8,753,527
	\$47,181,642

Source: Dominion Bureau of Statistics.

Table 89.
Electricity Purchased 1952

Quebec	\$19,533,035
Ontario	6,513,026
British Columbia	734,058
New Brunswick, Nova Scotia and Manitoba	2,777,996
	\$29,558,115

Note: In addition to purchased electricity the pulp and paper mills own hydro-electric plants which furnished 4,063,131,530 kilowatt hours of electricity to the mills in 1952.

Source: Dominion Bureau of Statistics.

Table 90.
Car Loadings and Revenue Freight Carried

	Car Loadings Calendar Year 1953		Revenue Freight* Carried Calendar Year 1953	
	Carloads	%	Tons	%
Pulp and paper	223,662	5.60	6,371,608	5.31
Pulpwood	165,914	4.16	5,776,271	4.81
	389,576	9.76	12,147,879	10.12
Other forest products	284,842	7.13	8,964,296	7.47
	674,418	16.89	21,112,175	17.59
Agricultural Products				
Grain	522,763	13.10	26,567,556	22.13
Grain Products	136,659	3.42	3,140,964	2.61
Other Agricultural Products	77,003	1.93	1,979,627	1.65
	736,425	18.45	31,688,147	26.39
Animal Products	97,351	2.44	1,242,863	1.04
Mineral Products				
Coal	256,325	6.42	11,037,693	9.19
Coke	27,094	0.68	1,037,705	0.86
Ores and Concentrates	184,185	4.61	9,997,519	8.32
Non-ferrous Metals	31,284	0.78	1,301,091	1.08
Agricultural Implements, Tractors, Automobiles, Trucks & Parts	106,381	2.67	884,041	0.74
Machinery, Boilers, Castings and other Iron & Steel Products	92,619	2.32	2,443,179	2.03
Gasoline, Fuel Oil and other Petroleum Products	279,928	7.01	8,015,010	6.67
Sand, Gravel, Stone, Cement, Plaster, Lime, Brick, Tile, Sewer & Drain Pipes, and other Mineral Products	361,540	9.06	17,801,536	14.83
	1,339,356	33.55	52,517,774	43.74
Other Products				
Sugar, Canned Goods, Beverages	54,759	1.37	1,393,915	1.16
Fertilizers	41,322	1.03	1,556,334	1.30
Miscellaneous	243,375	6.10	8,454,342	7.04
	339,456	8.50	11,404,591	9.50
Merchandise, L.C.L.	805,410	20.17	2,094,381	1.74
Total Revenue Cars Loaded	3,992,416	100.00	120,059,931	100.00

* Loaded at stations in Canada.

Note: Car loadings of pulp and paper and pulpwood in 1953 were equivalent to 612 cars and 455 cars respectively, every day in the year. A proportion of the pulpwood car loadings included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to over eight trains of 100 cars daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 2,500 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals, and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Table 91.

**Payrolls and Weekly Earnings
in Important Industries
1952**

Industry	Average Number of Employees	Average Weekly Payrolls	Average Weekly Earnings
Pulp & Paper	58,697	\$4,219,727	\$71.89
Non-ferrous metal products*	49,692	3,179,221	63.96
Chemical products*	51,599	3,135,155	60.76
Meat products	23,007	1,376,279	59.82
Shipbuilding & repairing	22,593	1,347,447	59.64
Automobiles, parts & accessories	52,761	3,510,928	66.54
Electrical apparatus & supplies	66,230	4,032,880	60.83
Primary iron & steel	37,067	2,504,279	67.56
Rubber products	19,904	1,142,549	57.36
Aircraft & parts	31,734	2,129,846	66.76

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

** Includes all classes of chemical manufactures.

Source: Dominion Bureau of Statistics.

Table 92.

Power Utilization

in 000's of kwh including off-peak power			
	1950	1951	1952
Generated by Central Electric Stations for			
Pulp and paper industry	8,456,863	9,230,524	9,929,112
Other industries	20,200,234	22,855,924	a
Mining companies	2,265,868	2,616,543	a
Domestic customers (homes and farms)	6,750,303	7,726,114	a
Commercial customers, street lighting and free service	3,980,196	4,339,900	a
Export	1,925,867	2,375,522	2,474,722
Line losses, etc.	4,914,367	5,707,317	a
	48,493,718	54,851,844	a
Generated for own use by			
Pulp and paper industry	3,949,244	3,932,662	4,063,132
Other industries	2,316,807	2,436,432	a
Mining companies	264,232	212,832	a
Total electricity generated	55,024,001	6,581,926	a
Less: Exports	1,925,867	2,375,522	2,474,722
Line losses, etc.	4,914,367	5,707,317	a
	48,183,767	53,350,931	a
Plus: Imports	2,591	8,956	18,310
Canadian consumption	48,185,117	53,359,887	a

a: Not available.

Note: The power consumption of the pulp and paper mills accounts for over 26 per cent of all the power generated for industry and for mining. Of the power generated by industry for its own use, the pulp and paper mills accounted for 63 per cent in 1950 and 61.7 per cent in 1951. Of the total consumption of electricity in Canada, the pulp and paper mills accounted for 25.7 per cent in 1950 and 24.7 per cent in 1951. There are several single paper mills which alone consume more electric power than all the domestic customers in Montreal combined, indeed which use more power than is required to provide light for the city and all its residents. There are single pulp and paper mills which use half as much power as that consumed by all the industries in the Montreal area.

Source: Dominion Bureau of Statistics.

Table 93.

Exports 1953

Ex gold in millions of dollars		
	Value	%
Forest products	\$1,295.4	31
Agricultural & vegetable products	1,096.8	27
Animal & animal products	250.9	6
All others	1,474.3	36
	\$4,117.4	100

Source: Dominion Bureau of Statistics.

Table 94.

Canadian Exports 1953

Ex gold in millions of dollars		
Wood, Wood Products, and Paper	\$1,295.4	
Pulp and Paper	\$887.8	
Pulp	\$248.7	
Newsprint	619.8	
Other Paper	17.2	
Paper Goods	2.1	
Pulpwood	42.7	
Planks and Boards	282.7	
Other Wood Products	82.2	
Agricultural and Vegetable Products	1,096.8	
Wheat	567.9	
Other Grains	224.7	
Flour of Wheat	102.2	
Alcoholic Beverages	66.2	
Other Vegetable Products	135.8	
Animal and Animal Products	250.9	
Iron and its Products	358.4	
Vehicles, chiefly of iron	80.9	
Farm Implements and Machinery	74.3	
Other Machinery	37.3	
Ferro-alloys	17.2	
Other Iron and Steel Products	148.7	
Non-ferrous Metals and their Products	682.2	
Chemicals and Allied Products	137.9	
Non-metallic Minerals and their Products	147.4	
Fibres, Textiles and Textile Products	24.3	
Miscellaneous Commodities	124.1	
Total	\$4,117.4	

Source: Dominion Bureau of Statistics.

Table 95.

Pulp, Paper and Mining 1953

Gross value of pulp and paper production	\$1,100,000,000e
Mineral production of Canada	
Gold	\$139,826,286
Other metallics	569,086,549
Coal, gas, peat, petroleum	311,235,192
Other non-metallics	127,457,625
Clay products, cement, lime, stone, sand & gravel	183,605,851
	\$1,331,211,503

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics, preliminary estimate.

Table 96.

Ten Leading Canadian Industries 1952

	Gross Value of Production		Salaries and Wages		Employment		Net Value of Production	
	'000 \$	Rank b	'000 \$	Rank b	No.	Rank	'000 \$	Rank b
Pulp and Paper	1,157,888	1	225,353	1	57,803	2	584,101	1
Slaughtering and Meat Packing	849,337	2	70,996	13	22,697	16	142,094	12
Non-ferrous Metal Smelting and Refining	837,074	3	87,964	7	24,608	13	266,722	3
Motor Vehicles	767,355	4	113,607	4	31,102	7	267,100	2
Petroleum Products	634,736	5	44,795	26	11,766	34	187,459	6
Sawmills	560,668	6	140,351	2	61,032	1	256,123	4
Primary Iron and Steel	506,594	7	124,358	3	34,847	4	236,012	5
Butter and Cheese	377,673	8	48,628	25	20,377	22	88,791	27
Railway Rolling Stock	332,137	9	108,341	6	36,088	3	145,800	9
Rubber Goods	286,121	10	65,350	16	21,548	19	162,047	7

a: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper first, instead of second, in employment.

b: Rank in Canadian industry as a whole.

Source: Compiled by C.P.P.A. from D.B.S. "Preliminary Statement of Manufactures, 1952".

Table 97.

Net Value of Canadian Production

PRIMARY PRODUCTION:	1951	1952		1951	1952
	'000 \$	'000 \$		'000 \$	'000 \$
Agriculture	2,685,435	2,495,686e	Bridge and other structural steel	59,903	76,308
Forestry*	484,264	505,572e	Wire and wire goods	67,289	66,195
Fisheries	102,027	92,012e	Machinery, household, office and store	51,156	56,759
Trapping	19,792	14,138e	Boilers and plate work	46,829	53,456
Mining	770,143	820,145e	Heating and cooking apparatus	36,817	48,352
Electric Power	363,643	389,462e	Transportation Equipment	657,424	778,348
Total, Primary Production	4,425,304	4,317,013e	Motor vehicles	271,114	267,100
			Railway rolling stock	119,895	145,761
SECONDARY PRODUCTION:			Aircraft and parts	79,404	127,297
Manufactures	6,940,947	7,440,872e	Motor vehicle parts	117,021	127,222
Construction	1,568,179	1,751,656e	Shipbuilding	58,456	96,738
Total, Secondary Production	8,509,126	9,192,428e	Non-ferrous Metal Products	406,617	414,920
Grand Total	12,934,430	13,509,441e	Non-ferrous metal smelting and refining	262,973	266,721
			Brass and copper products	56,176	61,127
			Aluminum products	42,392	43,969
			Clothing (Textile and Fur)	370,672	405,241e
			Men's factory clothing	106,308	125,015e
			Women's factory clothing	95,098	102,598e
			Hosiery	39,814	40,092e
			Other knitted goods	43,709	43,674e
			Textile Products (Except Clothing)	337,936	309,636e
			Synthetic Textiles and Silks	96,477	91,400e
			Cotton yarn and cloth	97,158	78,419e
			Chemical and Allied Products	384,026	414,088
			Acids, alkalies and salts	67,456	65,243
			Medicinal and pharmaceutical preparations	60,115	59,921
			Paints and varnishes	48,430	53,554
			Soaps, washing compounds, etc.	30,943	48,368
			Fertilizers	37,428	38,406
			Products of Petroleum and Coal	179,873	225,826
			Petroleum products	135,903	178,524
			Coke and gas products	43,970	43,920
			Electrical Apparatus and Supplies	353,603	395,934
			Heavy electrical machinery	123,141	144,997
			Radio and radio parts	43,845	59,454
			Refrigerators, vacuum cleaners & appliances	54,129	54,171
			Non-metallic Mineral Products	195,349	203,693
			Cement products	27,772	34,816
			Cement	26,632	32,664
			Glass products	30,819	32,695
			Leather Products	84,885	101,311
			Footwear, leather	52,010	62,281
			Tobacco and Tobacco Products	59,033	70,777
			Tobacco, cigars and cigarettes	53,245	64,865
			Rubber Products	161,185	162,493
			Miscellaneous Manufacturing Industries	120,900	135,203
				6,940,947	7,440,872e

* Excludes value of forestry production originating on farm wood lots which is included with agriculture.

e: Preliminary estimates.

Notes: The term "production" in this Table is used in its popularly accepted sense as applied to such processes as the growing of crops, the mining of metals and other minerals, the catching of fish, the conversion of water power into electrical energy, the construction of buildings, and manufacturing and processing.

Gross value statistics, which were formerly given in this Table, have been replaced with net value statistics. While the statistics of gross production are of interest as indicating the amount of revenue produced by the corporations and other operators in the field, this total includes a large element of duplication: often the products of one industry become the materials of other industries. The net value of production for manufactures, obtained by deducting the cost of materials, fuel and electricity from the gross value, is a more accurate measure of the contribution of one industry to the national economy.

Source: Dominion Bureau of Statistics.

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